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Page 1

26 6 100.0 10 1 US-06-102-200-36 Sequence 16, App. 100.0 10 1 US-06-102-200-36 Sequence 16, App. 100.0 10 1 US-06-102-200-36 Sequence 19, App. 110.0 10 10 US-06-510-470-30 Sequence 10, App. 110.0 US-06-510-470-470-470-470-470-470-470-470-470-47	6 100.0 10 3 US-08-838-545-17 Sequence 17, 6 100.0 10 3 US-08-838-545-21 Sequence 27, 6 100.0 10 3 US-08-938-545-29 Sequence 25, 6 100.0 10 3 US-08-974-5459-527 Sequence 527, 6 100.0 10 3 US-08-974-5459-527	6 100.0 10 3 US-09-349-322-7 Sequence 6 100.0 10 3 US-09-349-532-17 Sequence 6 100.0 10 3 US-09-349-532-27 Sequence 6 100.0 10 3 US-09-349-532-29 Sequence 6 100.0 10 3 US-09-349-532-29 Sequence	6 100.0 10 4 103-09-13-591-294 Sequence 294, 6 100.0 10 4 103-09-765-482-41 Sequence 41, 6 100.0 11 1 US-08-330-123A-2	ALIGNMENTS	RESULT 1	us-us-us)Ar-1 is Segence 1. Application US/08381097A is Tearn No. 564389 i GRIERAL HICKMATION:	ANTIQUENT WASHINGS, MAINTENED AND ANTIQUENT WASHINGS, MAINTENED ANTIQUENT WASHINGS, MAINTENED ANTIQUENT WASHINGS, MAINTENED COLLEGES ANTIQUENT WASHINGS TO TRANSMITTED BY TWENTYCH AND THE COLLEGES AND THE COLLEG	STREET: 901.Crans surre 4200 CTFF: 1008 Montes STREET: 101.Crans surre COUNTRY: United States	. COMPTTER READABLE FORM: ; COMPTTER READABLE FORM: ; MEDIUM TYPE: Flappy disk	COMPUTER: IBM PC compatible ; OPERATING SYSTEM: PC-DOS/NG-DOS OFFWINDS: Default Dalace #1 0 Version #1 20	CURRENT APPLICATION NUMBER: US/08/381,097A	FILING DATE: 31-JAN-1995	ATTORNET, ADENT TAPOUNTALION: NAME: NEDE-1, Held S nontronnantalion of the second of t	REGISTALIAN NUMBER: 37,712 ; REFERENCE TOWNERS: unmc 63092 reteronariantentalian number:	TELEPHONE: 515-288-3667 TELEPHONE: 515-288-3667		TYPE: nucleic aid	TOPOLOGY: Inner		, ANT-SENSE: NO US-08-381-097A-3	Query Match 100.04; Score 6; DB 1; Length 6; Best Local Similarity 100.04; Preed No. 6:0e.07; Marches 6; Conservative 0. Mismatches 0. Tradels 0. Gans 0.	dative of massacrines of indexs of caps
GenCore version 5.1.6 Copyright (c) 1983 - 2004 Compugen Ltd. OM mucleic - mucleic search, using pw model	Run on: December 31, 2003, 14:40:05 ; Search time 23:3165 Seconds (tibut alignments) 11:50 William cell updates/sec		Scoring table: IDENTITY NUC Gappop 10. Gapport 1.0 Gastched: 220695156 residues	(Notal number of hits satisfying chosen parameters: 547746	Hinimum DB seq length: 0	Oce-processing: Winimum Match 04 Maximum Match 104 Listing first 45 summaries		O Pred. No. is the number of results predicted by chance to have a core greater than or equal to the score of the result being printed, and is delived by analysis of the cotal score distribution.		Agenit Query . Score Match Length DB ID Description	6 1 US-08-381-097A-3 Sequence 3, 2 6 1 US-08-381-097A-5 Sequence 5, 2	6 100.0 6 1 US-08-153-0518-4 Sequence 4.	6 100.0	6 100.0 6 3 US-08-819-867-9 Sequence 9, 6 100.0 6 3 US-08-819-867-9 Sequence 9,	6 100.0 6 3 US-08-630-019A-1 Sequence 1, 7 6 100.0 6 3 US-09-018-645-3 Semience 3.	6 3 US-09-114-399-3 Sequence 3, 6 4 US-09-608-636A-1 Sequence 1,	14 6 100.0 6 4 US-09-378-535-9 Sequence 9, Appl. c 15 6 100.0 6 4 US-09-378-535-27 Sequence 27, Appl. 16 4 10.0 6 5 PT-11056-01.306-1 6-20-00-00-00-00-00-00-00-00-00-00-00-00-	7 3 US-08-20-01200-1 Sequence 1,	6 100.0 8 3 US-08-848-55 Sequence 15,	6 100.0 B 3 US-08-838-545-34 6 100.0 B 3 US-09-349-532-30 6 100.0 B 3 US-09-349-532-30	23 6 100.0 8 3 2 2 4 6 100.0 9 3 3 2 5 5 6 100.0 9 3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6 100.0 9 3 US-09-069-44-14 Sequence 6 100.0 9 3 US-08-838-545-16 Sequence

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Query Match 100.0%, Score 6, DB 1, Length 6, Best Local Similarity 100.0%; Pred. No. 68-607; Matches 6, Conservative 0, Mismatches 0, Indels Matches
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
TITLE OF INVENTION: CONDITIONS RELATED TO TELEOMREE
TITLE OF INVENTION: LENGTH AND/OR TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 56
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APPLICANT SHAP, JOSTY
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STREET, STREE
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MEDIUM TYPE: Storage
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COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
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ADDRESSEE. Lyon & Lyon
STREET: 613 West Fifth Street
STREET: alte 4700
CITY: Los Angeles
STREE: Los Angeles
CITY: Los Angeles
COUNTRY: U.S.A.
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Patent No. 5686306
PRERAL INFORMATION
APPLICANT: West, Michael David
                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
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TELECOMMUNICATION INFORMATION
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OPERATING SYSTEM: IBM P.C
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COMPUTER READABLE FORM:
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COUNTRY: U.S.A.
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CREMEN APPLICATION DAY.
APPLICATION NUMBER: US/08/381,097A
CLASSIPICATION: 31.484.1995
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100.0%; Pred. No.
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Patent No. 5643890
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Patent No. 5645986
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TELEPROMEL 215-288-308
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TREPROMET CHAPASS 1138
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TYPE: MUCH CARACTER CHAPASS 125
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Jerry W. Shay
Woodring E. Wright
Elizabeth Blackburn
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Michael J. McEachern
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NAME: NEbel, Heidi S
REGISTRATION NUMBER: 37,719
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Calvin B. Harley
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MEDIUM TYPE: Floppy
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801 Grand Suite 3200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WOUTHER REALAGE FORMS.
WHICH REALAGE FORMS.
WHICH REALAGE FOR COMPARIES.
OFFENTIAR IN THE COMPARIES.
OFFENTIAR SYSTEM: PC-1002/MS-105
CLASSEPTORTON: 514
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Best Local Similarity 100.0%; Pred. No. 6.80+0
Matches 6; Conservative 0; Mismatches
                    SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/151,477A
FILING DATE: NO. 5830644ember 12, 1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 202/189
                                                                                                                                                                                                                                                              APPLICATION NUMBER: 08/038,766
FILING DATE: March 24, 1993
ATTORNEY/AGENT INFORMATION:
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Patent No. 5849727
                                                                                                                                                                                                                                                                                                                                                                                                                                                               32,327
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TELEPHONE: 515-288-3667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: Nebel, Heidi S.
REGISTRATION NUMBER: 37,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Warburg, Richard
REGISTRATION NUMBER: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Iowa
7: United States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      515-288-1338
                                                                                                                                                                                                           PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS: sin
TOPOLOGY: linear
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MOLECULE TYPE: CDN
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-670-999-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE:
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                                                                                                                                                                                                                               SOFTWARE: Nord Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/337,684
FLINKO DATE: No. 5683306ember 10, 1994
GLASSIFICATION: 514
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MEDIUM TYPE: 3.5° Diskette, 1.44 Mb
MEDIUM TYPE: strorage
COMPUTER: IMM COMPALIA:
OPERATING SYSTEM: IBM P.C. DOS 5.0
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- A Periodication 18/0815477A

- September 4, Application 18/0815477A

- September 5, Application 18/0815477A

- A Periodication 18/081547A

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Scott L. Weinrich
Catherine Strahl
Michael J. McBachern
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ZIP: 90071
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PERLOLANT. Broad, Li Bernard. A. PRELICANT. Broad Li Bernard. A. PRELICANT. Broad Li Bernard. A. PRELICANT. Broad Li Bernard. A. TITLE CONTROLATION SERVICE SE

Sequence 4, Application US/08729598

US-08-729-598-4

E: Sorojini J. Biswas P.O. Box 37428 CITY: Raleigh STATE: No. 6001657th Carolina COUNTRY: USA

STREET:

CORRESPONDENCE ADDRESS:

Length 6;

; Score 6; DB 2; Le ; Pred. No. 6.8e+07; 0; Migmatches 0;

100.0%; Local Similarity 100.0%; hes 6; Conservative 0

Query Match

datches

; ANTI-SENSE: YES US-08-670-999-3

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Indels
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                                                                                          APPLICARY: Naw YOO KIN.
APPLICARY: Nemaryon Vestit
TITLE OF INVESTION: TREASAN AND DIAMOSIS OF
TITLE OF INVESTION: TOODITIONS RELATED TO
TITLE OF INVESTION: TSOLOMERE LENGTH AND/OR
TITLE OF INVESTION: TSOLOMERE LENGTH AND/OR
TITLE OF INVESTION: TSOLOMERES ACTIVITY
OGRESS-PORTERS, SO
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FILING DATE: No. 6007989ember 12, 1993
APPLICATION NUMBER:
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEQ for Windows 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/819,867
FILING DATE: March 14, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                        Jerry Shay
Woodring E. Wright
Elizabeth H. Blackburn
Nam Woo Kim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 27, Application US/08819867
Patent No. 6007989
Catherine M. Strahl
Michael J. Mceachern
                                                                                                                                                                                                                                                         ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Chambers, Daniel M. REGISTRATION NUMBER: 34,561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Jerry Shay
Woodring E. Wright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 2:
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CURRENT APPLICATION DATA:
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6; Conservative
                                                                                                                                                                                                                                                                                                                                   STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
                                                                                                                                                                                                                                                                                                                  Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TOPOLOGY: linear
US-08-819-867-9
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APPLICANT:
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APPLICANT:
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                                                         APPLICANT:
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SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT PAPLICATION DATA: APPLICATION WINNER: US/08/729,598 FILING DATE: 11-007-1996

ATTORNE/ AGRIT INFORMATION:
NAME: Biswas, Sorojini J.
REGISTRATION KUMBER: 39,111
REFERENCE/DOCKET NUMBER: 505
TELECOMMUNICATION INFORMATION:

CLASSIFICATION:

(919) 854-1400 TELEFAX: (919) 854-1401 INPORMATION FOR SEQ ID NO:

TELEPHONE: TELEFAX: (

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPUTED:
OPERATING SYSTEM: PC-DOS/MS-DOS

ZIP: 27627

0; Indels

Sequence 9, Application US/08819867 Patent No. 6007989

APPLICANT: APPLICANT: APPLICANT:

Length 6;

6.8e+07; Wiematchae 100.0%; Score 6; 100.0%; Pred. No.

Query Match Best Local Similarity 100... 5, Conservative

7 TOPOLOGY: no / MOLECULE TYPE: US-08-729-598-4

Nam Woo Kim

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/desc = "peptide nucleic acid (PNA),
where (deoxylribose-phosphare linkages are replaced by
"A'-2-aminechijlgycine units linked to nucleotide bases via
glycine amino nitrogen through a methylenecarbonyl linker"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CHERRAL INTEGRATION:
APPLICANT: Wheelphouse, Richard T.
APPLICANT: Which provessor and the statements B.
TITLE OF INVESTIGES. TWENTENES COMPOUNDS AS TELOMEDAGE
THE OF INVESTIGES. TWENTENES COMPOUNDS AS TELOMEDAGE
CORRESPONDENCE ADDRESS.
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                       REPERMENDOCATE NUMBER: 015389-001600US TELECOMMUNICATION IMPORANTON: TELESPORE. (1415 576-0200 TELESPORE. (1415 576-0200 TELESPORE. (1415 576-0300 TELESPORE. CHARACTERISTICS: ESQUERES CHARACTERISTICS: LENGTH: 6 base pairs
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FILING DATE: Concurrently Rerewith
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NAME: Kitchell, Barbara S.
REGISTRATION NUMBER: 33,928
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/037,295
FILING DATE: 05-FEB-1997
ATTORREY/AGRNT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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; Sequence 3, Application US/09018545
; Patent No. 6087493
                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       URRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIPICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Houston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: U.S.
ZIP: 77210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DESCRIPTION:
DESCRIPTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Texas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DESCRIPTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DESCRIPTIONS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-630-019A-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: No. 6015710ton, James C. TITLE OF INVENTION: Modulation of Mammalian Telomerase by TITLE OF INVENTION: Peptide Nucleic Acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 6; DB 3; Length 6; 100.0%; Pred. No. 6.88+07; tive 0; Mismatches 0; Indels
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                 APPLICANT; HOMBYOUN VALLT;
TILLE OF INVENTION: THEBRAPY AND DIAGNOSIS OF
TITLE OF INVENTION: CONDITIONS RELATED TO
TITLE OF INVENTION: CONDITIONS RELATED TO
TITLE OF INVENTION: PEDCHERE ASSAULT!
TITLE OF INVENTION: TELOMERASE ACTIVITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RAPILGATION NUMBER: US/08/819,867
FLIANG DATE: Warch 14, 1397
CLASSIFICATION: 435
ROASSIFICATION 415
APPLICATION NUMBER: 08/153,051
APPLICATION NUMBER: 08/153,051
APPLICATION NUMBER: 10,1993
                                                                                                                                                                                                                                                                                              ZIP 30071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5° Diskette, 1.44 Mb
MEDIUM TYPE: 800.899
COMPUTER: ENGREDIA
COMPUTER: ENGREDIA
SOFFATHAR STEEM: FAMP P.C. DOS 5.0
SOFFATHAR STEEM: FAME P.C. DOS 5.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Shay, Jerry W.
PPLICANT: Wright, Woodring E.
APPLICANT: Platyszek, Mieczyslaw A.
APPLICANT: Corey, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      224/232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1, Application US/08630019A
Patent No. 6015710
GENERAL INFORMATION:
                                                                                                                                                                 E: Lyon & Lyon
633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Chambers, Daniel M.
REGISTRATION NUMBER: 34,561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 2:
TELECOMMUNICATION INFORMATION
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 6 base pairs
                                                                                                                             NUMBER OF SEQUENCES: 81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear TOPOLOGY: linear TOPOLOGY: linear TOPOLOGY: linear TOPOLOGY Similarity load Matches 6; Conservation TOPOLOGY 6
                                                                                                                                                                                                                  Suite 4700
                                                                                                                                                                                                                                    CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
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                                                                                                                                                                          ADDRESSEE:
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                                                                                                                                                                                            STREET:
                                                                                                                                                                                                                      STREET
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100.0%; Score 6; DB 4; Length 6; 100.0%; Pred. No. 6.8e+07;
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Homayoun Vaziri
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CONDITIONS RELATED TO
TEOLOMERE LENGTH AND/OR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM COMPALIBLE
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: PastSEQ for Windows 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELOMBRASE ACTIVITY
                                                                                                                                                                                                                                                                                                                                       Mismatches
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APPLICATION NUMBER: US/09/378,535
FILING DATE: 20-Aug-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RRFERENCE/DOCKET NUMBER: 224/232
          CURRENT ARPLICATION NUMBER: US/09/608,636A
PRIOR PELICATION NUMBER: US 60/142,173
PRIOR PELICATION NUMBER: US 60/142,173
PRIOR PELICATION NUMBER: US 70/142,173
PRIOR PELICATION NUMBER: UP 11-187616
PRIOR PELICATION NUMBER: UP 11-187616
PRIOR PELICATION NUMBER: UP 11-27576
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/819,867
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Jerry Shay
Woodring E. Wright
Blizabeth H. Blackburn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: Chambers, Daniel M.
REGISTRATION NUMBER: 34,561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Michael J. Mceachern
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Catherine M. Strabl
                                                                                                                                                                                                                                                          OTHER INFORMATION: oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 9, Application US/09378535
Patent No. 6551774
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Calvin B. Harley
Scott L. Weinrich
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Michael D. West
                                                                                                                        PRIOR FILING DATE: 1999-10-28
NUMBER OF SEQ ID NOS: 5
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Suite 4700
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM
                                                                                                                                                                                                                                                                                                                                             6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: U.S.A.
ZIP: 90071-2066
                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 6; Conserva
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                                                                                                                                                                                                                                                                                                                                                                                                      1 TTAGGG 6
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                                                                                                                                                                          SEQ ID NO 1
                                                                                                                                                                                                                                             PEATURE:
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TITLE OF INVENTION: Telomerase Inhibitors and Methods of Their Use
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 6; DB 3; Length 6;
100.0%; Pred. No. 6.8e+07;
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Pred. No. 6.8e+07;
                                                                                                                                                                                                           0; Mismatches
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Patent No. 6518268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Piatyszek, Mieczyslaw A
Singh, Upinder
Tolman, Richard L.
Akama, Tsutomu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Asai, Akira
Yamashita, Yoshinori
Endo, Kaori
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.04
TELECOMMUNICATION INFORMATION
                    (512) 418-3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
                          TELEPAX: (512) 474-7577
INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                               6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INPORMATION: PS-ODN
                                                                            LENGTH: 6 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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Best Local Similarity
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Best Local Similarity
                                                                                                                                                                                                                                             1 TTAGGG 6
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                TELEPHONE:
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                                                                                                                                               US-09-018-545-3
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APPLICANT:
APPLICANT:
APPLICANT:
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APPLICANT:
APPLICANT:
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0, Gaps

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0; Indels
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                                                                                           TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-378-535-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Search completed: January 1, 2004, 00:32:19
Job time: 23.4276 secs
                                   TYPE: nucleic acid
STRANDEDNESS: single
              LENGTH: 6 base pairs
                                                                                                                                                                                                                                                                                                                                                                                   1 TTAGGG 6
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100.0%; Pred. No. 6.8e+07;
ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CONDITIONS RELATED TO
TEOLOMERE LENGTH AND/OR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
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OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FactSEQ for Windows 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELOMERASE ACTIVITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/09/378,535
FILING DATE: 20-Aug-1999
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Chambers, Daniel M.
REGISTRATION NUMBER: 34,561
REFERENCE/DOCKET NUMBER: 224/232
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/819,867
                                                                                                                                                                                                                                                                                                                                         SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-378-535-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Lyon & Lyon
STREET: 633 West Pifth Street
Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Woodring E. Wright
Elizabeth H. Blackburn
Nam Woo Kim
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Scott L. Weinrich
Catherine M. Strahl
Michael J. Mceachern
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (213) 489-1600
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TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 27:
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ATTORNEY/AGENT INFORMATION:
                                                                                           INFORMATION FOR SEC 1D NO: 9: SEQUENCE CHARACTERISTICS: LENGTH: 6 base pairs
                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            storage
                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 6, Conservative
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SEQUENCE CHARACTERISTICS:

15-10-122-633-12 Sequence 12, Appl 15-09-730-893-6 Sequence 6, Appl 15-09-401-173A-6 Sequence 6, Appl 15-09-730-893-4 Sequence 6, Appl 15-09-930-893-4 Sequence 6, Appl 15-09-930-893-4	Sequence 4,	US-09-728-574-19 Sequence 19, Appl US-10-390-045-41 Sequence 41, Appl US-10-330-627-92 Sequence 92, Appl US-10-330-627-1296 Sequence 1296, Ap	Sequence Sequence Sequence Sequence		Sequence	Sequence	4,75	Sequence	0s-10-235-335-14 Sequence 14, App. US-10-359-935-2 Sequence 2, Appli US-10-122-630-5 Sequence 5, Appli	,		-	dekulare Medizin eotides and the Use Thereof	387	1.2			ificial Sequence: telomeric	DB 9, Length 6, 5.6e+08,	Mismatches O; Indels O; Gaps O;				
6 100.0 6 15 6 100.0 6 15 6 100.0 7 110 6 100.0 7 110	20 6 100.0 8 11 21 6 100.0 8 13	22 6 100.0 9 10 23 6 100.0 10 13 24 6 100.0 10 13 25 6 100.0 10 13	6 100.0 10 13 6 100.0 10 13 6 100.0 10 13 6 100.0 10 14	6 100.0 10 14 6 100.0 10 14 6 100.0 10 14	6 100.0 10 15 6 100.0 10 15	35 6 100.0 11 9 36 6 100.0 11 11	37 6 100.0 II III 38 6 100.0 II III 39 6 100.0 II III	222	111		RESULT 1 US-09-817-387-29	; Sequence 29, Application US/09817387 ; Patent No. US20010099263A1 : GENERAL INFORMATION:	APPLICANT: Max-Delbruck-Centrum fur Molekulare Medizin TITE OF INVENTOR: Chimeric Oligonucleotides and the Use Thereof FILE REPERFECE: 01195-24	CURRENT APPLICATION NUMBER: US/09/817,	FRICK FILING DATE: 1997-05-02  NUMBER OF SEQ ID NOS: 29	SOFINARS: FALENCIN VET. 2.1 SEQ ID NO 29 ; LENGTH: 6 TYPE: NAM	, ORGANISM: Artificial Sequence	OTHER INFORMATION: Description of Artificial Sequence: telomeric year information: DNA of man	100.0%; Schlarity 100.0%; Pt	ative 0,	1 TTAGGG	o #-11080		; Patent No. US20010041681A1 ; GENERAL INFORMATION: ; APPLICANT: Filion, Mario
	-			-	*			111			8		-						Idd	777	77	Appl	Appl	Appl Appl Appl
n Ltd.		; Search time 69.9494 Seconds (without alignments) 296.896 Million cell updates/sec				998502				BCOMB. seq:* PUB. seq:* W_PUB. seq:* BCOMB. seq:*	W PUB.seq:* UBCOMB.seq:* W_PUB.seq:*	BCOMB.seq:* UBCOMB.seq:* PUBCOMB.seq:*	PUBCOMB.seq:* EW PUB.seq:* EW PUB.seq:*	PUBCOMB. seq: *	EW_PUB.seq:* UBCONB.seq:*	Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the roral score distribution.		1000	00	Sequence 1, Sequence 1, Sequence 8,	Sequence 1, Sequence 3,	Sequence 4, Sequence 63,	Sequence 9, A Sequence 27,	Sequence 11, Sequence 12, Sequence 11,
GenCore version 5.1.6 Copyright (c) 1993 - 2004 Compugen Ltd	sing sw model	December 31, 2003, 17:10:00 , Search time 69:9494 Seconds (without alignments) 296:896 Million cell updates/s	11	apext 1.0	2263443 segs, 1730637950 residues	g chosen parameters:	Animum DB seq length: 0	Minimum Match 0% Maximum Match 100% Maximum Match 100%	lications WA:*	<ol> <li>/cgm2 6/ptodata//pubpna/USO7 PUBCOMB.seq:*</li> <li>/cgm2 6/ptodata//pubpna/PCT RRW PUB.seq:*</li> <li>/cgm2 6/ptodata//pubpna/USO6 NEW PUB.seq:*</li> <li>/cgm2 6/ptodata//pubpna/USO6 NEW PUB.seq:*</li> </ol>	odata/1/pubpna/US07 NE odata/1/pubpna/PCTUS_P odata/1/pubpna/US08_NE	odata/1/pubpna/US08_PU odata/1/pubpna/US09A_P todata/1/pubpna/US09B	todata/1/pubpna/US09C_ todata/1/pubpna/US09_N todata/1/pubpna/US09_N	todata/1/pubpna/US10A	/ Cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:	Pred. No. is the number of results predicted by chance to P score greater than or equal to the score of the result bein and is derived by analysis of the ronal score distribution	SUMMARIES	£	100	10 US-09-730-893-1 11 US-09-940-173A-1 13 US-10-255-535-8	13 US-10-336-265-1	13 US-10-336-265-4 13 US-10-336-265-63 13 US-10-336-265-64	13 US-10-232-927A-9 13 US-10-232-927A-27	15 US-10-122-630-11 15 US-10-122-630-12 15 US-10-122-633-11
G Copyright (c	OM nucleic - nucleic search, using sw model	December 31, 2	US-09-540-843-11 6 1 ttaggg 6	IDENTITY NUC Gapop 10:0 , Gapext 1.0	2263443 segs,	f hits satisfyin	length: 0 length: 30	3: Minimum Match 0% Maximum Match 100%	Published_App.	1: /cgn2_6/pt 2: /cgn2_6/pt 3: /cgn2_6/pt 4: /cgn2_6/pt	5: /cgn2_6/pt 6: /cgn2_6/pt: 7: /cgn2_6/pt:	8: /cgn2_6/pt 9: /cgn2_6/pt 10: /cgn2_6/pt	11: /cgn2_6/p 12: /cgn2_6/p 13: /cgn2_6/pl	14: /cgn2_6/p	17: /cgn2_6/pl 18: /cgn2_6/pl	is the number of sater than or equiring	,	Query March Length	100.0			100.0	100.0	100.0 100.0 100.0 6
	OM nucleic - nu	Run on:	Title: Perfect score: Sequence:	Scoring table:	Searched	Octal number of	Minimum DB seq	Gost-processing: Minimum Match 104		980						Pred. No.		Result No Score	400	4 4 W	96.0	n e Ct	c 11 .	13 C 14 15 6

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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 6; DB 11; Length 6; 100.0%; Pred. No. 5.6e+08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
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APPLICANT: Polagracz, Kriattina
APPLICANT: Tollan, Atchard L.
APLICANT: Morth, Gregg B.
TITLE OF HUNENTING: Oligonucleotide Conjugates
FILE REPRENCE: 072/0029
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT FILING DATE: 202-09-25 FING APPLICATION NUMBER: US/10/255,535 CURRENT FILING DATE: 2002-09-25 PRIOR APPLICATION NUMBER: PCT/US02/09138 PRIOR FILING DATE: 2002-03-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 60/278,322
PRIOR FILING DATE: 2001-03-23
NUMBER OF SEQ ID NOS: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           , OTHER INFORMATION: oligonucleotide
US-10-255-535-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 8, Application US/10255535
Publication No. US20030138814A1
GENERALI INFORMATION:
APPLICANT: Geron Corporation
APPLICANT: Gryanov, Sergei
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 TTAGGG 6
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LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 6; DB 10; Length 6; 100.0%; Pred. No. 5.6e+08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
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OTHER INFORMATION: Synthetic Oligonucleotide

O OTHER INFORMATI

FEATURE:

Ouery Match

Best Local Similarity 100.

ORGANISM: Artificial Sequence

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US-10-336-265-1 , Sequence 1, Application US/10336265

1 TTAGGG 6

0; Mismatches

6; Conservative Query Match Best Local Similarity Matches 6; Conserv

US-09-730-893-1

TYPE: DNA ORGANISM: Artificial Sequence

FEATURE:

SEQ ID NO 1 LENGTH: 6 Sequence 1, Application US/09940173A Publication No. US20030040525A1 GENERAL INFORMATION:

US-09-940-173A-1

APPLICANT: KERWIN, SEAN M. APPLICANT: FEDOROFF, OLEG Y.

TITLE OF IMPRITOR: Tolomere-Encoding Synthetic DRN Nancitcies, and their use for TITLE OF IMPRITOR: Tolomere-Encoding Synthetic Repeats PRIZE OF IMPRITOR TO THE ENGINEER TO THE STREET PRIZE OF IMPRISO TO THE STREET PRIZE OF WHERE TO THE STREET PRIZE OF THE STREET PR Gaps Length 6; Indels Query Match 100.0%; Score 6; DB 13; Best Local Similarity 100.0%; Pred. No. 5.6e+08; Best Local Similarity 100.0%; Pred. No. 5.6e+08; Onservative 0; Mismatches 0, PRIOR APPLICATION NUMBER: US 60/345,056
WINDER OF SEQ ID NOS: 64
SOFTWARE: Parentin version 3.2 Sequence 63, Application US/10336265 Publication No. US20030148988A1 ; ORGANISM: Homo sapiens US-10-336-265-4 ORGANISM: Homo sapiens 1 TTAGGG 6 6 TTAGGG 1 GENERAL INFORMATION: US-10-336-265-63 US-10-336-265-63 SEQ ID NO 63 TYPE: RNA TYPE: DNA

100.0%; Score 6; DB 13; Length 6; 100.0%; Pred. No. 5.6e+08; Indels 0, Mismatches 6, Conservative Best Local Similarity Matches 6; Conserv 1 TTAGGG 6 Query Match

Gaps

Sequence 64, Application US/10336265 Publication No. US20030148988A1 RESULT 10 US-10-336-265-64

PRIOR APPLICATION NUMBER: US 60/345,056 PRIOR FILING DATE: 2002-01-04 NUMBER OF SEQ ID NOS: 64 SOFTWARE: Patentin version 3.2 SEQ ID NO 64 LENGTH: 6 TYPE: RNA ORGANISM

Gabe Score 6; DB 13; Length 6; Pred. No. 5.6e+08; Indels 2; Mismatches 100.0%; 66.7%; P Conservative Query Match Best Local Similarity Matches 4; Conserv 1 TTAGGG 6 1 UUNGGG US-10-336-265-64

Calvin B. Harley Scott L. Weinrich

APPLICANT: Michael D. West

Publication No. US20030190638A1

GENERAL INFORMATION:

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Homayoun Vaziri
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTED: THIS COMPUTED: LDD S. O. OFFICATION SYSTEM: LDD P. C. DOS S. O. CURRENT APPLICATION INTN: CONTRACT APPLICATION INTERS. US/10/232,927A. FLING DATE: 39-Ang-2002.
                                                                                                                                                                                                                                                                                                                                                     CONDITIONS RELATED TO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/09/378,535
FILING DATE: 20-Aug-1999
APPLICATION NUMBER: 08/819,867
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 34,561
REFERENCE/DOCKET NUMBER: 224/232
                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: 6400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 9
                                                                                                                                                                                             Michael J. Mceachern
Jerry Shay
Woodring E. Wright
Elizabeth H. Blackburn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (213) 489-1600
                                                                                                                                                                          Catherine M. Strahl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: Chambers, Daniel M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION:
                                         Sequence 9, Application US/10232927A
Publication No. US20030190638A1
                                                                                                                                                   Scott L. Weinrich
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: <Unknown>
                                                                                                          APPLICANT: Michael D. West
Calvin B. Harley
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 6 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEGUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEC ID NO: 9:
                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 80
                                                                                                                                                                                                                                                                                         Nam Woo Kim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE: California
COUNTRY: U.S.A.
                                                                                       GENERAL INFORMATION
                  US-10-232-927A-9
RESULT 11
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Query Match 100.0%; Score 6; DB 13; Length 6; Best Local Similarity 100.0%; Pred. No. 5.ee+08; Matches 6; Conservative 0; Mismatches 0; Indels Natches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                             THERAPY AND DIAGNOSIS OF
CONDITIONS RELATED TO
                                                                                                                                                                                                              TEOLOMERE LENGTH AND/OR
TELOMERASE ACTIVITY
                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: U.S.A.
2TP: 90071-2066
COMPUTER ERADABLE PORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM Compatible
COMPATING SYSTEM: IBM P.C. DOS S.O
CURRENT APPLICATION DATA.
APPLICATION NUMBER: US,10/233,927A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: US/09/378,535
APPLICATION NUMBER: US/09/378,535
APPLICATION WERER: 08/819,867
PILING DATE: CUNMBER: 08/819,867
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Chambers, Daniel M.
REGISTRATION NUMBER: 34,551
REFERENCE/DOCKET NUMBER: 224/232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: 11near SEQUENCE DESCRIPTION: SEQ ID NO: 27: US-10-232-927A-27
                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: 633 West Fifth Street
                                       Jerry Shay
Woodring E. Wright
Elizabeth H. Blackburn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 29-Aug-2002
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      relephone: (213) 489-1600
Catherine M. Strahl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
                   Michael J. Mceacher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (213) 955-0440
                                                                                                                                         HITLE OF INVENTION: THERAP!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          storage
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                                                                                                                                                                                                                                                                                                                                                       Suite 4700
                                                                                                                 Nam Woo Kim
                                                                                                                                                                                                                                                                                                                                                                                               STATE: California
                                                                                                                                                                                                                                                                                                                                                                                CITY: Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEX: 67-3510
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Sequence 11, Application US/10122630 Publication No. US20030032610A1

Query Match 100.0%; Score 6; DB 13; Length 6; Bet Local Similarity 100.0%; Pred. No. 5.60-09; Matches 6; Conservative 0; Mismatches 0; Indels

US-10-232-927A-9

Sequence 27, Application US/10232927A

RESULT 12 US-10-232-927A-27/c

GENERAL INPORMATION: JS-10-122-630-11

· Fri Jan 2 09:33:11 2004

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Similarity 100.0%; Pred. No. 5. Ge-168;
Conservative 0; Mismatches 0; Indels
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OTHER INFORMATION: Synthetic DNA Fragment
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PRIOR APPLICATION NUMBER: US 08/467,012
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US-10-122-633-11
US-10-122-633-11
Sequence 11, Application US/10122633
Publication No. US20030032611A1
GENERAL INFORMATION:

RESULT 15

6 TTAGGG 1

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Score 6, DB 15; Length 6; Pred. No. 5.6e+08; 0; Indels

OTHER INFORMATION: Synthetic DNA Fragment

US-10-122-633-11

ORGANISM: Artificial Sequence

TYPE: DNA

Mismatches

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Query Match 100.0%; Best Local Similarity 100.0%; Matches 6; Conservative 0;

1 TTAGGG 6

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Search completed: January 1, 2004, 01:10:39 Job time : 69.9494 secs

AW248826 21 bp mRNA linear EST 07-JAN-2000 2821056.3prime NIH\_MGC\_7 Homo sapiens cDNA clone INAGE:2821056 3',

AW248826.1 GI:6591819

mRNA sequence. AW248826

RFINITION

ACCESSTON KEYWORDS

/ERSION

domo sapiens (human)

SOURCE ORGANISM

REFERENCE AUTHORS TITLE JOURNAL

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 21) WHY-WGC http://mgc.nci.nih.gov/. National Institutes of Health, Mammalian Gene Collection (WGC)

Unpublished Other ESTs: 2821056.5prime

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                                                                                                                                   Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mamalia, Buthoria, Primates, Catarrhini, Hominidae, Nomo.
1. (bases 1 to 21)
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National Institutes of Health, Mammalian Gene Collection (MGC)
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llarity 100.0%; Pred. No. 6.7e+05;
Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Robert Strausberg, Ph.D.
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High quality sequence stop: 10.
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/db_xref="taxon:9606"
/clone="IMAGE:2821108"
                                                                                                                                                                                                                                                                                                                                                           Unpublished
Other ESTs: 2821108.5prime
                                              Homo sapiens (human)
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/tissue\_type="small cell carcinoma"

on 05/19/2004

/organism="Homo sapiens" polyadenylated.
Plate: LLCMS row: N column: 1
High quality sequence stop: 21.
Location/Qualifiers

source

/mol\_type="mRNA" /db\_xref="taxon:9606" /clone="IMAGE:2821056"

AW248836 2821108.3prime NIH\_MGC\_7 Homo sapiens cDNA clone IMAGE:2821108 3',

AW248836.1 GI:6591829

mRNA sequence. AW248836

AW248836/c LOCUS

DEFINITION

ACCESSION

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Mismatches

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6, Conservative

Best Local Similarity Matches 6; Conserv 20 TTAGGG 15 1 TTAGGG 6

Query Match

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100.0%; Score 6; DB 9; Length 21; 100.0%; Pred. No. 6.7e+05;

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0; Indels

Gaps

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20 bp DNA linear uss is DNA clone 158a03, forward sequence, brucei sheared genomic genomic survey sequence. AL472050.1 GI:11837404 AL472050 CCESSION ERRIGO OFFENDE ORGANISM

GSS 13-DEC-2000

Trypanonoma.

1 (bases 1 to 20)

1631,N. Bonean,S. Lemard,N.J. Doggett,J., Atkin,R.,

1641lingworth,C., Ormond,D., Harris,B., El-Sayed,N., Hou,L.,

1640/1165, E., R., Shandroam,N.A. and Barrell,B.G. Trypanoscma brucei Trypanoscma brucei Rikaryota: Bulanozoa, Kinetoplastida; Trypanoscmatidae; TITLE REPERENCE

Submitted (10-DEC-2000) Trypanosoma brucel genome sequencing project, Sangar Centre, The Welloom Trust Genome Campus, Hinxton, Cambridge CBIO 18A, 8-mail: barrell@eanger.ac.uk and

COMMENT

Constructed at the Institute for demont Research (TIOR).

Constructed at the Institute for demont Research (TIOR) is constructed at the Institute for a closed population of the Institute of the Email: nelsayed&tigr.org
details off Prucel sequencing at the Sanger Centre are available at http://www.sanger.ac.uk/Projects/T\_brucei/.

Gape ö Score 6; DB 29; Length 20; Pred. No. 6.6e+05; 0: Indels /organiem="Trypanosoma brucei" /mol\_type="genomic DNA" /strain="TREU927" /db xref="taxon:5691" /clone="158a03" Mismatches Acation/Qualifiers 100.0%; Scc 100.0%; Pre tive 0, 1 6; Conservative Query Match Best Local Similarity 19 TTAGGG 14 1 TTAGGG 6 Bource BASE COUNT Matches PEATURES ORIGIN g

/lab hoste"E. coli strain XL10-Gold, Tl-resistant, P-"
forone lib-house 10kb plasmid UUCSM library"
fortes"Vector: PMD4ZNv; Purfited genomic DNA from M.
musculus CSPBL/60 (female) was obtained from the Jackson

organism="Mus musculus" |mol\_type="genomic DNA" |strain="C57BL/6J" db\_xref="taxon:10090" clone="UUGC2M0227G21"

source

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GSS 13-DEC-2000 20 bp DNA linear GSS 13-DE GRA linear GSS 13-DE generic sheared genomic DNA clone 199902, reverse sequence. FA199G02Q/c DEFINITION

RESULT 13

Trýpanosoma brucei Bukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidas; AL476798.1 GI:11843362 frypanosoma brucei (bases 1 to 20) rypanosoma. GSS. ORGANISM REFERENCE ACCESSION KEYWORDS VERSION

Manna Lander, Mannard M. Joogstell, Ashin R.
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Demail: neiseyedetiges between the Sanger Centre are available at http://www.anger.ac.uk/Projects/T\_brucei/. PEATURES

organism="Trypanosoma brucei" mol type="genomic DNA" strain="TREU927" /db\_xref="taxon:5691" /clone="199902"

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BASE COUNT

ORIGIN

Gaps .. 100.0%; Score 6; DB 29; Length 20; 100.0%; Pred. No. 6.6e+05; ive 0; Mismatches 0; Indels Conservative Best Local Similarity Matches 6, Conserv 6 Query Match

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AW248826/c RESULT 14

mol type="genomic DNA" strain="C57BL/6J" db xref="taxon:10090" clone="UUGC1M0542G17"

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Contact: Robert B. Weiss
Odiversity of Urah Genome Center
Indiversity of Utah
Rm. 308__ijiomedical Polymers Research Bidg., 20 S. 2030 E., SLC, UT
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Pax: 801 585 7177
Email: ddunn@genet
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Insert Lemeth: 1000 Std Error: 0.00
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'organism="Mus musculus" /mol\_type="genomic DNA" /strain="C57BL/63" /db\_xref="taxon:10090" /clone="UUGC2M0071D09"

/sex="Male"

/lab host="8. Coli strain XLIO-Gold, T1-resistant, F-" /clone lib=Wouse lobb plasmid UUGCIM library" rotes"Vector: PMD4Znv; Purified genomic DNA from M. musculus GS7BL/GJ (male) was obtained from the Jackson

Action 1, 10 meters, 1

Length 20,

Gaps

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GSS 27-APR-2001 20 bp DNA linear GSS 27-APR-20: 2M0227G21R Mouse 10kb plasmid UUGC2M library Mus musculus genomic linear clone UUGC2M0227G21 R, genomic survey sequence.

Small: ddunn@genetics.utah.edu Insert Length: 10000 Std Brror: 0.00 Plate: 0227 row: G column: 21 Plate: 0227 row: G column: 21 Seq primer: CACACAGGAAACAGCTATGACC

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Weiss
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Fax: 801 585 7177
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clos UNGCIMO080304 P, genomic survey sequence.
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Seg primer: SP6; CATACGATTTAGGTGACACTATAG.
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Insert Length: 10000 Std Error: 0.00
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Context: Robert B. Weiss
University of Utah Genome Center
University of Utah
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Drungowki,M., Stahi,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,W.
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Saracophyta; Magnoliophyta; eudicoryledons; core eudicors;
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fitonegrafuting allows access to 25 000 potential sugar beet genes 
Plant J. 32 (5), 485-857 (2002)
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100.0%; Pred. No. 6.5e+05;
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Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
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Insert Length: 0 Std Brror: 0.00
Plate: 26 row: P column: 04
                                                          Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 19.
Location/Qualifiers
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/strain="C57BL/6J"
           late: 0102 row: N column: 07
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SOURCE
ORGANISM
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JOURNAL

TITLE COMMENT

Class: plasmid ends

Seq primer: CACACAGGAAACAGCTATGACC

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Memmalia, Richeria; Godonia; Sciurognachi; Muridae, Murinas; Massandae, Statista, Murinas, Musica, Dialmai, Longace, St., Mancoul, M., Wessens, E., Manicol, M., Wessens, E., Manicol, M., Wessens, E., Manicol, M., Wessens, T., Pedersen, T., Bailty, M., Manik, M., Man
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cione UUGCZM012N07 R, genomic survey sequence.
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Clone lab="Mouses lbkb plasmid UNGCIM labrary"
Troce="Vector: PMOALNY; Purified genomic DNA from M.
musculus CSPB/60 (male) was obtained from the Jackson
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Insert Length: 10000 Std Error: 0.00
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(mol type="genomic DNA"
(strain="C57BL/63"
Class: plasmid ends
High quality sequence stop: 19.
Location/Qualifiers
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Fax: 801 585 7177
Email: ddunn@qenet
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"m. 308, Biomedical Relymers Research Bidg., 20 S. 2030 E., SLC, UT
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Tallan, H., Longacre, S., Nahmoud, M., Nemens, B., Pedersen, T., Seil, C.,
Tallan, H., Gong, C., Stokes, R., Tlngey, A., von Niederhausern, A.,
and Wright, D., Welses, R., Stokes, R., Tlngey, A., von Niederhausern, A.,
Johang, J. Andersen, G., Stokes, R., Tlngey, A., von Niederhausern, A.,
Johang, J. Linder, G., Stokes, R., Stokes, 
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Fax: 801 585 7177
Email: ddun#Squetics.utah.edu
Insert Length: 10000 Std Error: 0.00
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            High quality sequence stop: 19.
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Gaps

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Interportory Work and PAR Research

Interportory Work Jax org/renources/document/dates/). The DDA

was blunc and-repaired with 7 DDA properted passage through a was blunc med-repaired with 7 DDA properted passage through a public control of the public control of t A242271 19 bp DNA linear GSS 03-OCT-2000 MATROPEOR Mouse 10kb plasmid UNGCHW library Mes museulus genomic clone UUGCIM/200910 R, genomic survey sequence. University of Luth Genore Center Huniversity of Luth Genome Center FUNIVERSITY OF ALL SHOWN OF THE PROPERTY OF S. 2030 E., SLC, UT Bakeryoe, Neazoo, Chockes, Cremista, Vertebrets, Bakeleosromi, Manamila, Rebest is Moostie, Chockes, Cremista, Vertebrets, Bakeleosromi, Damini, Roberts, Moostie, Mo /iab\_host="E. Coli strain XLJO-Gold, Tl-resistant, F-" /clone\_lib="Wouse\_lokb\_plasmid\_UUGCIM\_library" /clone\_lyelocor: PMU4Znv; Purified genomic DNA\_from M.musculus GS7BL/6J (male) was obtained from the Jackson 100.0%; Score 6; DB 28; Length 19; 100.0%; Pred. No. 6.5e+05; ive 0; Mismatches 0; Indels Tel: 801 585 5606
Fax: 901 585 This
Baxil dduningenerice.uteh.edu
Ilmeert Length: 10000 Std Error: 0.00
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Seq primer: CACACAGGAAACAGCTATGACC /organism="Mus musculus"
/mol type="genomic DNA"
/strain="CS7BL/63"
/db xref="taxon:10090"
/clone="UUGCLM0154G12" High quality sequence stop: 19. Location/Qualifiers Mus musculus (house mouse) AZ422271.1 GI:10546284 Query Match Best Local Similarity 100. Matches 6, Conservative 14 TTAGGG 19 Unpublished USA 1 TTAGGG 6 source SOURCE ORGANISM BASE COUNT DEFINITION REFERENCE ACCESSION JOURNAL KEYWORDS PEATURES RESULT 3 TITLE VERSION COMMENT ORIGIN q (All line-WG) contributed to corribonal (All line-WG) contributed to the contributed to t Described wite, Party Industrial pathograph (Term Retela) Described wite, Party Industrial Computer, International Contest Describing Services (International Contest Described Services) Described Services (International Contest Described Described Described Services) Described Described Services (International Contest Described Services) Described Services (International Contest Described Described Services) Described Services (International Contest Described Services) Described Services (In Ochieaci: Robert B, Weism Milyersity of Luth Genome Center Ruiyersity of Luth Genome Center Ruiyersity of Luth Genome Research Bidg., 20 S. 2030 E., SLC, UT GSS 03-OCT-2000 ö na.9v246 HMO154G12R Mouse 10kb plasmid UUGCIM library Mus musculus genomic ASJ9246 ASJ9246 Nemmikin Butherisi Redentisi Sciurognathii Muridasi Murinasi Mus.
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Dum.D. Aoyesi, A., Bather M., Bescorn, T., Duw.B., B. Hamill, C.,

Lidam, H., Longscre, S., Mehmoud, M., Mestens, E., Pedersson, T., Beilly

M., Rese, M., Rosse, S., Stokes, R., Tingsy, A., von Niederhausern, A.

and Wright, D., Weiss, R. Eukaryota; Metazoa; Chordata; Craniata, Vertebrata; Euteleostomi Mouse whole genome scaffolding with paired end reads from 10kb Gaps ö 100.0%; Score 6, DB 9, Length 16; 100.0%; Pred, No. 6.3e+05; ive 0; Mismatches 0; Indels Tel: 801 585 5606 Fax: 801 585 7177 Emall: ddunmdement.ce.utah.edu Ilsert Length: 10000 Std Error: 0.00 Plate: 0154 row: G column: 12 Plate: 0154 row: G column: 12 Seg primer: CACACAGGAAACAGCTATGACC Class: plasmid ends /organism="Homo sapiens" /mol\_type="mRNA" /db\_xref="taxon:9606" /clone="IMAGE:2819454" Location/Qualifiers Mus musculus (house mouse) Mus musculus AZ392246.1 GI:10507234 We con Allersmood '9 employee's (Copied from Month Copied from Mon lasmid inserts 9 TTAGGG 14 Jupublished 1 TTAGGG 6 USA 34112, CCESSION FYNORDS OURCE OORGANISM Bource REFERENCE GESULT 2 JOURNAL. PEATURES TITLE COMMENT

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VERSION	AW2	AW248958.1	GI:659195	919			
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SOURCE	Homo		(human)	au)			
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16 bp mRNA linear BST 07-JAN-20	IMAGE:2819454 3					ta; Euteleostomi;	dae; Homo.			ollection (MGC)			
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rocus	DEFINITION	ACCESSION	KEYWORDS	SOURCE	ORGANISM			REFERENCE	AUTHORS	TITLE	JOURNAL	COMMENT	

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8 NHW-CO http://con.nin.gov.com.nin.go

us-09-540-843-11.szlm30.rng

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This sequence is a now-peptide muchle cand (MNN), with acts as an inhibitor of mamalian, preferably human, telemerase. The PNss hybridise specifically too an PNs competent of mamalian telemental in telemental 
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/note= "Sugar-phosphate backbone has been replaced by
a peptide backbone"
                                                                                                                                                                                                   Peptide nucleic acid; PNA, cancer; telomerase; probe; hybridisation,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New peptide nucleic acids hybridising to mammalian telomerase RNA used to inhibit telomerase, for transting tumours and other proliferative diseases, also for diagnosis
                                                                                                                                    Peptide nucleic acid 15, targeted to mammalian telomerase.
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modified_base
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(TEXA ) UNIV TEXAS SYSTEM.
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Gaps

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Conservative

TTAGGG TTAGGG

Local Similarity

AAT89240 standard; DNA; 9 BP.

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                                                                                                                                                                                                                                                                                                                                             "This sequence is a peptide nucleic acid, i.e. it contains a polyamide backbone instead of a deoxyribose backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gabs
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inflammation; lymphoprolifeative disease; autoimmune disease; 
neurodegenerative disease; neoplasis; hypestplasia HIV; AIDS 
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Best Local Similarity
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                                                                                                                                                                                                                                                                                 modified base
                                                                                                                                                                      fomo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-APR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US6294650-B1
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                                                                                                                                                                                                          ynthetic.
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AAS15474;

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The present invention relates to peptide muscle cated a please, comprising angular angular to the category of 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "This sequence is a peptide nucleic acid, i.e. it
contains a polyamide backbone instead of a
deoxyribose backbone"
                                                                                                                                                                mentalisis peptida moniface caid, proper, forestati, petentry, testing)
human telemetae BAA component, bTR gene REP gettern, centes;
himmanicani, puppipolifacetti of desease ancommente disease;
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human immunosippolifacetti or properties appropriatetion or properties appropriate in many appropriate appropriate properties and properties appropriate in many properties and properties and infinite properties and infinite properties and pr
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            activity. The present sequence represents one of the PNA sequences of the invention.
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sammalian telomerase, useful for treating to preventing datect
inflammation, lymphoproliferative disease, autoimmune disease, o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             c "N= 1-50 peptide nucleic acid nucleobases, selected from U, T, A, G, C or i"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "N= 1-50 poptide nucleic acid nucleobases, note= selected from U, T, A, G, C or i"
                                                                                                   PNA 34 inhibiting human and mammalian telomerase activity.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Corey DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure, Column 59, 46pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Wright WE, Platyszek MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
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                              (first entry)
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                              14-FEB-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
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14-APR-2000.

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The present sequence represent a paperied maintain each scholar which the present sequence represents a paperied maintain scholars with the scholars which sequences contained to a tribonal cappers in state of the scholars and inhibitor than the scholars 
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activity in mammalian cells is useful as probes to detect the RNA
                                                                               component of a mammalian telomerage
                                                                                                                                                                                                                                              Claim 6: Column 71; 45pp; English.
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# cell expresses telomerase activity and its RNA component. Sequence 8 BP; 1 A; 0 C; 4 G; 3 T; 0 other;

methods of the present invention can be used to detect an immortal or neoplastic cell or tumour tissue or cancer of any origin, provided the

ö 100.0%; Score 6; DB 21; Length 8; 100.0%; Pred. No. 3.2e+08; 0, Indels Mismatches | Owner | Owne 0

ö

Gaps

Peptide nucleic acid; PNA; telomerase; ribonucleoprotein enzyme; cancer; PNA sequence #30 used to inhibit telomerase activity.

inhibitor; neoplasia; neurodegenerative disease; aging; hyperplasia; The Hard Hard infection; forenalc identification; detect; tumour; paternity testing a

Location/Qualifiers

\*Poptide nucleic acid molecule, where N-(2-aminochyl)glycine units are linked to nucleocide bases via glycine amino N through meltylenecarbonyl linker"

The present sequence represent a peptide and another bedden better by the present sequence represent of memalian releases and inhibits bednesses and inhibits and and an and inhibits bednesses and inhibits bednesses and inhibits bednesses and in a second and inhibits and inhibits bednesses and in a second inhibits on in the bednesses and in an and inhibits of the present the property than the property than the property than in the property than in the property than in the property than the property tha Allobe accretor conditions to be destend with introduced as cancerous possibly at an extiler steap. Defore cells are descreted as cancerous based on palabolistal characteristics. The disgeneit and prosposition enchode of the present invention can be used to detect an immortal or modplatic cell or tumour trians or cancer of any origin, provided the cell appresses talomeras activity and its RMA component. Vew peptide nucleic acid (PNA) compounds that inhibit telomerase activity in mammalian cells is useful as probes to detect the RNA Corey DR; Norton JC, Sequence 8 BP; 3 A; 4 C; 0 G; 1 T; 0 other; Shay JW, component of a mammalian telomerase Example 2; Column 33; 45pp; English. 97US-0838545. 96US-0630019. (TEXA ) UNIV TEXAS SYSTEM. Piatyszek MA, VPI; 2000-292432/25. 39-APR-1997; 39-APR-1996; Wright WE, 

Gaps 100.0%; Score 6; DB 21; Length 8; 100.0%; Pred. No. 3.2e+08; 0; Indels 0; Migmatches Conservative Query Match Best Local Similarity Than 6; Conserva

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RESULT 12 AAS15436

AAS15436 standard; DNA; 8 BP. 14-FEB-2002 (first entry) AAS15436;

Mammalian; peptide nucleic acid; probe; forensic; paternity testing; human telomerase RNA component; hTR gene RFLP pattern; cancer; PNA 28 inhibiting human and mammalian telomerase activity.

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Peptide nucleic acid; PNA; telomerase; ribonucleoprotein enzyme; cancer;
inhibitor; neoplasia; neurodegenreative disease; agingi hyperplasia;
TINS; HIV; fungal infection; forensic identification; detect; tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This sequence is a novel period mucles card (RWA), with secs as an inhibitor of mammalian, preferably human, eclomerase. The RNAs shydides specifically to RNA componer of mammalian technerase, subtidies specifically to RNA componer. Of mammalian technerase, expendent the sequence GOS for specific hybridistion to the template region of this componer. Whe can be used as probes to detect the RNA componer to mammalian telomerase and as inhibitors of telomerase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nucleotide bases via glycine amino N through a
methylenecarbonyl linker"
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"Peptide nucleic acid molecule, where
N-(2-aminoethyl)glycine units are linked to
                                                                                                                                                                                                                                                                                                               New poptide nucleic acids hybridising to mammalian telomerase RNA used to inhibit relomerase. For treating tumours and other proliferative disease, also for diagnosis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 6; DB 18; Length 8; 100.0%; Pred. No. 3.2e+08;
                                                                                                                                                                          Wright WE;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      activity, especially in the treatment of cancer.
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                                                                                                                                                                          Shay JW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 8 BP; 1 A; 0 C; 4 G; 3 T; 0 other;
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                                                                                                                                                                          Piatyszek MA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 9; Page 59; 76pp; English.
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--ham 6; Conservative
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                                                                                                                                                                          Norton JC,
                                                                                                                                                                                                                                             PI; 1997-512647/47.
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                                                                                                       (GERO-) GERON CORP.
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                             09-APR-1996;
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                                                                                                                                                                          Corey D,
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ID AAA3
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/note= "Sugar-phosphate backbone has been replaced by
a peptide backbone"
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                                                                                                                                                                                                                                                                          Oligomer hybridisable to HIV sequence and contg. peptide nucleic acid sub:unit - binds in complementary manner to DMA and RMA, and useful for modulating HIV viral activity, e.g. in treating AIDS
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Enter Di;

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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New recombinant DNA contg. eukaryotic telomere esp. from higher plant useful as vector for specific genes and maintained in nucleus as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Peptide nucleic acid; PNA; HIV; human immunodeficiency virue;
AIDS; antiviral; antisense; triple helix; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.0%; Score 6; DB 10; Length 7; Best Local Similarity 100.0%; Pred. No. 3.78-48; Matches 6; Conservative 0; Mismatches 0; Indels Matches 6; Conservative 0; Mismatches 0; Indels
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(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                    (GEHO ) GEN HOSPITAL CORP.
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                                              Arabidopsis thaliana.
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                                                                                                                                                                                                                                                                37-FEB-1989;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New recombinant DNA contg. eukaryotic telomere esp. from higher plant - useful as vector for specific genes and maintained in nucleus as independent replicating molecule.
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100.0%; Pred. No. 3.70+08;
Live 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                 AAN91439 standard; DNA; 7 BP
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22-FEB-1990 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Richards E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           W08909219-A.
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epithelial cell proliferation, described in the method of the invention
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                                                                                                                                                                                                                                                  ..
                                                                                                                                                              Length 6;
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Sequence is metalinogenesis associated olisonuclocicide 812. the reverse complementary sequence of AAS14015, a truncated version of the sequence representing the telement eover-hang sequence (AAS14010), described in the setblod of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bovine embryonic germ (EG) cell cDNA EST 990913a CONTIG 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     An expressed sequence tag (EST), the expression of which, o complementary sequence, in a coll identifies the cell as a developmentally competent or incompetent cell -
                                                                                                                                                                                                                                    Length 6;
                                                                                                                                                                                                                                                                                                 Indels
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                                                                                                                                                                                                                                                               4.36+08;
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100.0%; Pred. No. 4.3e+08;
ive 0; Mismatches 0;
                                                                                                                                                                                                                             100.0%; Score 6; DB 23;
100.0%; Pred. No. 4.3e+08
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                                                                                                                                                                 Sequence 6 BP; 2 A; 3 C; 0 G; 1 T; 0 other;
                                                                                                                                                                                                                                                                                          0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Silertsen KJ, Pfister-Genskow M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABN73654 Standard; cDNA; 6 BP
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                                                                                                                                                                                                                                                                                                 6; Conservative
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The invention relates to a mease telescense reverse intensicipates (mEXP) manage. Compositions concluding TREMT can be used in telescent length assays. Included in the production of memory compositions antibodies. The method is useful for assessing as an experience of the production of projection antibodies. The method is useful for assessing as an experience of the production of the pro
                                                                                                                                                                                                                                                                    Oligonucleotides AATOS734-7 are examples of telomerase substrates used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Telomerase reverse transcriptase; TERT; mouse; telomere length assay; immunogen; enzyme; telomerase-mediated DNA replication; human; ss.
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                                                                                                                                                                                                                                                                                                        to increase the proliferative capacity of noran calls than oppose 
the commence activity. The oligomuclecides allow an increase in 
inoght of claosers in norani calls and in hydride of norani and 
emperity of calls to replicate, each those traceed at vivo and used 
competity of calls or replicate, each those traceed at vivo and used 
for transplantation checkinges of call therspy, for the treatment 
of AIDS, answells, lankesis or lymphoms.
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        Increasing telomere length in cells - to increase proliferative capacity and therefore delay cellular senescence, useful in cell
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 6; DB 16; Length 6;
100.0%; Pred. No. 4.3e+08;
.ive 0; Mismatches 0; Indels
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(YESH ) UNIV YESHIVA BINSTEIN COLLEGE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure, Page 62; 135pp; English.
                                                                                                                                                                                   Claim 12: Page 29: 38pp: English.
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                                                                                                  therapy and transplantation
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Sequence 6 BP; 1 A; 0 C; 3 G; 2 T; 0 other;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mchalanius parapomics oliginose; sponseiteis anti-alizaçio; pSi); sent-inflammatory; dermaciogical; ophthaimological; anti-parciatic; manuemapposeite; DNA opposeite; proliferatori nihibitor; apposeite; acmount necrosis factor inhibitor; photoeging; hyperpoliferative disease; camerine, additive perseite pikit nacrosi zalazyp mediated inflammation conjunctivitie; allegajo chinitis; vitiligo; se.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Inhibiting proliferation of epithelial cells, useful e.g. for treating carcinoma, using specific oligonucleotides that mimic the effects of
                                                                             Gaps
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                           100.0%; Score 6; DB 20; Length 6;
100.0%; Pred. No. 4.3e+08;
                                                                             0; Indels
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                                                                                                                                                                                                                                                                                                                    AAS14915 standard; DNA, 6 BP.
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Query Match
Best Local Similarity luv..
-hes 6/ Conservative
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> Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. 25: /SIDS1/gcgdata/geneseq/geneseqn-embl/NA2003.DAT:\*

					SUMMARIES	
Result		Query				
No.	Score	Match	Length DB	BB	10	Descript
-	-	1		į		
-	9	100.0	9	16	AAT05734	Telomer
~	9	100.0	9	50	AAX80998	Telomer
e	9	100.0	9	23	AAS14915	Melano
0	9	100.0	9	23	AAS14916	Melano
S	9	100.0	9	54	ABN73654	Bovine
9	9	100.0	7	10	AAN91439	Telomer
c 2	9	100.0	7	10	AAN91442	Variant
60	9	100.0	80	91	AAQ97993	Peptide

18-MAY-1995.	? 10-NOV-1994; 94WO-US13130.		12-NOV-1993;	12-NOV-1993; 93US-0151477.		A (GERO-) GERON CORP.		~	Shay J, West MD, Wright WE,		R WP1; 1995-224051/29.	
ON XX	dd	***	Description	PR	Telomerase oligonu XX	Telomeric repeat s PA	Melanogenesis asso PA	Melanogenesis asso XX	Bovine embryonic q	Telomere of Arabid XX	Variant of Arabido DR	Peptide nucleic ac XX

W09513383-A1 Synthetic.

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PAT 22-JUN-2001
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Bikaryota Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarthini; Hominidae; Homo.
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100.0%; Pred. No. 5.3e+06;
tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 5.30+06;
ive 0; Mismatches 0; Indels
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Human transcriptomes
                                                                                                                                                                                                                                                                                                                                                                                                                                                       DNA
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The Johns Hopkins University (US)
Location/Qualifiers
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Sequence 1298 from Patent WO0138577.
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
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Job time : 553.38 sec8
                         /organism="Homo sapiens"
/mol type="genomic DNA"
/db_xref="taxon:9606"
3 c 0 g
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AX153383.1 GI:14535034
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LOCUS
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Sutheria; Primates; Catarrhini; Hominidae; Homo.
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                                         Velculescu, V.B., Vogelstein, B. and Kinzler, K.W. Human transcriptomes
Patent: WO 0138577-A 92 31-MAY-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Valculescu, V. E., Vegelstein, B. and Kinzler, K. M. Haman remacriptomes between: WO 0138577—A 1296 31-MAY-2001;
The Johns Hopking University (US)
Liocation/Chalifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Velculescu V. E., Vogelstein, B. and Kinzler, K. M. Manar transuriptomes and Anay - 2001;
Patent: WO 0138577-A 1297 31-MAY-2001;
The Johns Hopking University (108)
Location/Onalifiers
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Seguence 1296 from Patent WO0138577.
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                                                                                                                      The Johns Hopkins University (US)
Location/Qualifiers
                                                                                                                                                                                                    /organisma"Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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/mol_type="genomic DNA"
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Cech.Tr. Lingmort. Lingmort. M. Manuta, T., Chapman, K. B., Worin, G. B.,
Barley, C. B. and Andrees, M. M.
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iive 0; Mismatches 0; Indels
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Sequence 294 from patent US 6475789.
AR243501
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Sequence 10 from patent US 5856096.
AR026485.
AR026485.1 GI:5937325
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AXIS2177
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/note= 'N = 1-50 peptide nucleic acid nucleobases, selected from U, T, A, G_{\rm c} i or C_{\rm c}
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SECUNDACHORE: Single.
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TOPOLOSI: Linea
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/desc = 'peptide nucleic acid (PNA), where (deoxy(ribose- CC
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09-ART-199 UP 1997516487
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10-ART-198 W SHAW, WOODRING E WRIGHT, MIRCZYSLAW A PIATYSZEK, DAVID
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( Dames 1 to 8) E. Platyseek, M.A., Corey, D. and Morton, J.C. Modolation of mammalian techneraee by peptide nucleic acids Patent: P2 2001517929-A 31 09-0CT-2001;
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(Lobses 1r. 0.8)
(Shay, J. W. Wight, W.E., Pietyszek, M.A., Corey, D. and Norton, J.C.
(Shay, J. W. Wight, W.E., Pietyszek, M.A., Corey, D. and Norton, J.C.
(Shay, J. P. 2001;17920-A. 15. 09-QCT-2001).
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Conduction of mamalian telomerase by poptide nucleic acids 
Parent: JP 2001517929-A 29 09-007-2001; 
Parent: JP 2001517929-A 29 09-007-2001; 
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JP 200517929-A/15
09-CT-2001
09-APR-1997 JP 1997536487
09-APR-1996 US 08/630019
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/mol_type="genomic DNA"
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RESULT 7

COMMENT

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GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd.

December 31, 2003, 11:36:21; Search time 552.38 Seconds (Without alignments) 444.364 Million cell updates/sec Run on:

OM nucleic - nucleic search, using sw model

Gapop 10.0, Gapop 10.0, Gaport 1.0
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Maximum Match 1008
Listing first 45 st US-09-540-843-11 gb\_ba:\* gb\_htg:\* gb\_in:\* 1 ttaggg 6 GenEmbl: \* Perfect score: coring table: ្នុំ ១១១80559 on 05/19/2004 Sequence:

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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. SUMMARIES

MASSES   M	Query Match Length 100.0 100.0 6
MODIFIES   MODIFIES	0,000
Mail	1000.0
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PAT 13-JAN-2001 linear DNA AX055801 6 bp Sequence 5 from Patent WO0073420. AX055801 RESULT 1 AX055801/c LOCUS DEFINITION ACCESSION

ALIGNMENTS

AX055801.1 GI:12228914 synthetic construct SOURCE REFERENCE AUTHORS TITLE JOURNAL VERSION

artificial sequence.

1. | News 1.0 | Seperation:

1. | News 1.0 | See S. | See S. |

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Owery Match 59.04; Score 11.8; DB 11; Length 24; Defect Local Similarity 86.74; Pred. No. 2.444-04; Matches 13; Conservative 0; Mismatches 2; Indels (Matches 13; Conservative 0; Mismatches 2; Indels (Matches 14); Mismatches 2; Mis

1 GCATGCATGCATTAC 15

OTHER INFORMATION: Computer Generated Probe Sequence.

US-09-940-185-3327

TYPE: DNA ORGANISM: Artificial Sequence

Search completed: January 1, 2004, 01:10:39 Job time : 234.165 secs Leonard, Amanda Bun-Yeong

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Ouery Match

99.04; Score 11.8; DB 13; Length 18; Bett Local Similarity 86.74; Pred. No. 2.48+04.04

Matches 13; Conservative 0; Mismatches 2; Indels (
                                               APPLICANT: Huang, Yung-Sheng
APPLICANT: Pereira, Suzette L.
TITLE OF INVENTION: ELONGASE GENES AND USES THEREOF
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           APPLICANT:
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OGGANISM Actificial Sequence
OFFRETURE: OFFRETURE: OFFRETURE: DESCRIPTION OF Actificial Sequence: primer
16-10-20-562-43
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Sequence 43. Application US/10230562
Publication No. US20030113886A1
GENERAL INFORMATION:
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Patent No. US20020138874A1
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APPLICANT: Mukerji, Pradip
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, ORGANISM: Homo sapien
US-10-098-263B-31016
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US-09-903-456-93/c
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Query Match

Score 11.8; DB 10; Length 18;

Best Local Smilarity 86.74;

Pred. No. 2.46+04;

Matches 13; Conservative 0; Mismatches 2; Indels (
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NUMBER OF SEQ ID NOS: 122
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 93
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PRIOR FILING NEW: 2000-07-24
PRIOR APPLICATION NUMBER: US 09/379,095
PRIOR PELING NEW: 1999-08-23
PRIOR APPLICATION NUMBER: US 09/145,828
PRIOR APPLICATION NUMBER: US 09/145,828
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PRIOR FILING DATE: 2001-07-11
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Publication No. US20030163845A1
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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Gaps ö

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APPLICANT: Rouviere, Pletre E. APPLICAL C. APPLICANT: Brochodic ACID INTERMEDIATES TITLE OF INVENTION OF ADIPIC ACID INTERMEDIATES
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APPLICANT: Chee, Mark
TITLE OF INVENTION: Probes and Decoder Oligonucleotides
FILE REPERRUCE: A-69605-1
                                                                                                                                                                                       1.56+04;
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Best Local Similarity 82.4%; Prod. No. 1.5e-04;
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CURRENT PETLON BAYES. 2001.08-27
CURRENT PETLON KIMBERS. 06 0/227.946
PRIOR PETLON KIMBERS. 06 0/227.946
PRIOR PETLON BAYES. 1000-00-28
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Publication No. US20030096239A1
GENERAL INFORMATION:
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CUNRENT APPLICATION NUMBER: US/09/954
CURRENT FILING DATE: 2001-09-17.
PRIOR PALLATION NUMBER: 60/120,702
PRIOR FILING DATE: 1995-Pebruary-19.
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Patent No. US20020127666A1
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SOFTWARE: Microsoft Office 97
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APPLICANT: RICE, Robert No. US20030182672Alman
APPLICANT: REED, Kenneth Clifford
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Publication No. US20030182672A1
GENERAL INFORMATION:
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Pred. No. 1.5e+04;
0; Migmatches 3; Indels
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FILE REPERENCE: PF106P3D1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 397
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: hMLH1 sense primer
                                                                                                                                                                                                                                                                           Sequence 139, Application US/09232785
Publication No. US20030049612A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR FILING DATE: 1994-03-16
FRIGH APPLICATION NUMBER: 06/187/757
FRIGHS FILING DATE: 1994-01-27
KUMBER OF SEG ID NOS: 78
SOFTWARE: Retentin vereion 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 21, Application US/10079429
Publication No. US20030027177A1
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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Best Local Similarity 82.41
Matches 14; Conservative
13 GCATGCATGCATT 1
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ORGANISM: Pinus taeda L.
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SEQ ID NO 139
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Pred. No. 2.1;
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Best Local Similarity 100,019, Pred. No. 6e+03, Indels

Marches 13, Conservative 0, Mismatches 0, Indels
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OTHER INFORMATION: Synthetic DNA Fragment
(G-10-122-633-8
1 GCATGCATGCATTACGTACG 20
                                                                                                                                                                                                                                                                           Sequence 8, Application US/10122633
Publication No. US20030032611A1
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Sequence 55338, A
Sequence 120655,
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100.0%; Score 20; DB 15; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 20; Conservative o; Mismatches o; Indels
Matches 20; Conservative o
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              JS-10-122-630-8
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LENGTH: 20
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31016, A
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26.896 Million cell updates/sec
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core greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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                                          GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-903-456-93
US-10-156-911-93
US-10-496-736-66
US-09-940-155-3327
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US-10-122-633-8
US-10-23-425-19
US-10-245-805-20
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US-00-245-805-21
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Query Match Matches

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58.0%; Score 11.6; DB 3; Length 20; 77.8%; Pred. No. 2.8e+03;
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IIILE OF INVENTION: SELF-ORGANIZING MOLECULAR PHOTONIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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AND FLUOROPHORE-CONTAINING
POLYNICLECTIDES AND METHODS OF
                                                                                                                                                                                                                              Wichael J. Heller
WENTION: SELF-ORGANIZING MOLECULAR PHOTONIC
WENTION: STRUCTURES BARED ON CHRONOPHORE-
WENTION: MOLECURERS-COMPANING
WENTION: POLYNUCLEOTIES AND METHODS OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
NEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (Version 5.1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/09/123,638
FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/703,601
FILING DATE:
ATTORNEY/AGENT INPORMATION:
                                                                               US-09-123-638-3/c; Sequence 3, Application US/09123638; Patent No. 6162603
                                                                                                                                                                                      GERERAL INFORMATION HALLES
TITLE OF INFORMATION SELF-ORGANIZATION OF INFORMATION SELF-ORGANIZATION OF INFORMATION PAIN FLUENCH INFORMATION PAIN FLUENCH INTEL OF INFORMATION THAT USE CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E: Lyon & Lyon
633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 3, Application US/09724753
Patent No. 6416953
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Kappos, John
REGISTRATION NUMBER: 37,861
REFERENCE/DOCKET NUMBER: 22
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3 AIGCAIGCAITACGIACG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM Compatible
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TELEX: 67-3510
INFORMATION FOR SEO ID NO: 3
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CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14; Conservative
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TYPE: nucleic acid
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STATE: California
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Matches 14; Conserve
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
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MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HYPOTHETICAL:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET:
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                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                              58.0%; Score 11.6; DB 1; Length 20; 77.8%; Pred. No. 2.8e+03; ive 0; Mismatches 4; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CHREMA, INGONATION;
APPLICANT; MICHAEL J. Heller
THIEG OF HOMERICAN SECURIAR PROTONIC
THIEG OF HOMERICAN SECURATION CONTINUES OF HOMERICAN SECURATIONS OF THIEGE OF HOMERICAN SECURIARISH AND METHODS OF THIEGE OF HOMERICAN
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FILING DATE: August 23, 1996
CLASSIFICATION: 435
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APPLICATION UNDERN
FILIND DATE WAY 5, 1994
ATTONEN/APPLIT INFORMATION:
NAME: Kappon, John
RESISTATION NUMBER: 37, 861
REFERENCE/DOCKET NUMBER: 221,078
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TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
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                                       DNA (genomic)
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                                                                                                                                                                                                                                                                                                             14; Conservative
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Best Local Similarity 77.8
Matches 14; Conservative
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                      Best Local Similarity
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MOLECULE TYPE: IN
HYPOTHETICAL: N
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US-08-703-601-3
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                                                                                                                       ANTI-SENSE:
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FEATURE:

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GERREAL INFORMATION: WICHEL J. HELLER
APPLICANT: WICHEL J. HELLER
THILE OF INVENTIONS: SERVE CAMBATISHON FOLIOTORNE PROPOSIT:
THILE OF INVENTIONS: SERVE CAMBATISHON OF THE SERVE CAMBATISH OF THE SERVE CAMBATISH
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4: Indels
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FILING DATE: NO SSG5322ember 7, 1992
ATTORNY AGENT INFORMATION:
NAME: MAIDNY, DAVIG B
REGISTAATION NUMBER: 31,125
REFERENCE/DOCKET NUMBER: 207/170
CLASSIFICATION DATA
PRICE APPLICATION DATA
APPLICATION NUMBER: US 07/790,262
FILING DATE: 07 NOV-1991
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/232,233
FILING DATE: May 4, 1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKST NUMBER: HEL0002P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 3, Application US/08232233
Patent No. 5565322
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611 West Sixth Street
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                                                                                                                                                                                                                                                                                NAME: Fitting, Thomas
REGISTRATION NUMBER: 34,163
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20 ATGCATACGTTCAGTACG 3
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TELEPHONE: (213) 489-1600
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TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 3
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SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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LENGTH: 20 base pairs
TYPE: nucleic acid
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TELEFAX: 619-792-8477
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THIG OF INVESTIGNES, SELF-SORDERING MOLECULAR PROTONIC
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                                               ) OTHER INFORMATION: Description of Artificial Sequence: unknown
US-09-134-855-1
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South Scale 11.8; DB 4; Length 18;

Dest Local Similarity 86.7%; Prod. No. 2.2e-02

Dest Local Similarity 86.7%; Prod. No. 2.2e-03

Observative 0; Mismarches 2; Indels
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Description 2.0. Application 19/0314538A

Description 1.0. Application 19/0314538A

Description 1.0. Application 1.0. A
                                                                                                                                                                                                                     Ouery Match 60.0%; Score 12; DB 3; Length 15; Beet Local Similarity 100.0%; Pred. No. 1.7603; Matches 12; Conservative 0; Mismatches 0; Indels Matches 12; Conservative 0; Mismatches 0; Indels
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COMPUTES: IDM CCOMPATIBLE
OPERATING SYSTEM: C-DOS/MS-DO
SOFTWARE: PALENTIN REFERSE ID. OFESION B1.25
CURRENT ADELICATION WHERE: US/OB/250,551
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12526 High Bluff Drive, Suite 300
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98-08-250-951-3/C
Sequence 3, Application US/08250951
A Patent No. 5522129
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COMPUTER READABLE FORM:
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Sequence 1. Application Us/Dilides

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TILLE OF INVESTIONS (As Amended) Mended of Binding a Plurality of Chemicals
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100.0%; Pred. No. 1.7e+03;
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Patent No. 6107038
9 GGAGGCATGCATGACGT 25
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US-09-134-855-1/c
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CURRENT FILING DATE: 2001-09-17
PRIOR APLICATION NUMBER: 66/120,702
PRIOR FILING DATE: 1999-Rebruary-19
SUFFWARR: Microsoft Office 97
                                                         ; OTHER INFORMATION: hMLH1 sense primer
US-08-187-757D-19
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ORGANISM: Artificial Sequence
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US-09-504-358-43
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LENGTH: 30
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ORGANISM: Artificial Sequence
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TITLE OF INVENTION: Human DNA Mismatch Repair Proteins
FILE REPERENCE: PF106F2
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CURRENT FILING DATE: 1994-08-23
PRIOR APPLICATION NUMBER: 08/210,143
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; Sequence 21, Application US/08294312B
; Patent No. 6380369
                                                                                                                                                     Sequence 7, Application US/07720586; Patent No. 5232831
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STREET: 611 West Sixth Street
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NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/POCKET NUMBER: 19
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TELEFAX: (213) 955-0440
TELEX: 67-3510
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TOPOLOGY: linear
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California
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US-07-720-586-7
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Pred. No. 1.4e+03;
0; Mismatches 3; Indels
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TITLE OF INVENTION: Human DNA Mismatch Repair Proteins
PLE REFERENCE: PF10693
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Patert No. 648260
Patert No. 648260
Patert No. 648260
TITLE OF UNIVERTION: APPLICATION AP
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CURRENT FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: 08/294,312
PRIOR FILING DATE: 1994-08-23
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CURRENT APPLICATION NUMBER: US/08/167,757D
CURRENT PILING DATE: 1994-01-27
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PREMILIN VERSION 3.0
SEQ ID NO 19
LENGTH: 21
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US-08-294-3128-21
THING FILING DATE: 1994-03-16
PRIOR APPLICATION WIMMERS: 08/187/757
NUMMERS OF SEQ ID NOS: 78
SOFTWARE: PARENTH VERBION 3.0
LENGTH; 20
LENGTH; 20
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Patent No. 6416984
GENERAL INFORMATION:
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PRIOR FILLNO DATE: 1994-03-16
PRIOR APPLICATION NUMBER: 08/147,757
PRIOR FILLNO DATE: 1994-01-27
NUMBER OF SEQ ID NOS: 78
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Best Local Similarity 82.4%;
Matches 14; Conservative
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ORGANISM: Artificial Sequence
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US-08-187-757D-19/c
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LENGTH: 20
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Sequence 55, Appl Sequence 11, Appl Sequence 51, Appl Sequence 71, Appl Sequence 731, Appl Sequence 711, Appl Sequence 1100, Appl Sequence 1100, Appl Sequence 1100, Appl	Sequence 13, Appl Sequence 113, App Sequence 29, Appl Sequence 3, Appl Sequence 6, Appli Sequence 1, Appli Sequence 12, Appli		Length 28, Indels 0; Gaps 0,
334 332 238 239 239 239 239 239 239 239 239 239 239	\$4.02.00 0.00000 0.000000 0.0000000 0.0000000	19/6  (Application US/OB053564  (Application US/OB053564  (Application US/OB053564  (Application US/OB053564  (Application US/OB053564  (Application US/OB05364  (Applicati	Query Match 67.0%; Score 13.4; DB 1; Len Batch Cocal Similarity 93.3%; Pred. No. 3.58402; Matches 14; Conservative 0; Mismatches 1; In
0 0 0	000	910a. 1000. 1000.	002
GenCore version 5.1.6  Own nucleic - nucleic search, using aw model  Run on: December 31, 2003, 14:40.05; Search time 77.7315 Seconds 11:50:05, 14:40.05; Search time 77.7315 Seconds 11:50:05.05.05.05.05.05.05.05.05.05.05.05.05.0	parificat ences, 30-07-04-08-1-9 parificat ences, 30-07-04-08-1-9 coring table: Inpurity DAC Cappo 10-07-07-07-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	The content of the	11.6 58.0 27 3US-086-886-4 Sequence 4, R 11.6 58.0 28 1 US-08-053-564-10 Sequence 10, 11.6 58.0 28 4 US-09-601-943-3 Sequence 3, R

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Fax: 801 585 7177
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Insert Length: 10000 Std Error: 0.00
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Fax: 801 585 7177
Email: ddunn@genet
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b.schulza@kws.de; cloning sites Sali-Noti, primer sites and
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                 Query Match
Best Local Similarity 76.59
- - - - - 13; Conservative
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DCONESTRY OF GOOD CENTER
THIN VERSITY OF GOOD CENTER TO SEE A 1809 E., SLC, UT
THIS ISS. BICK OF CLEAR POLYMENT RESEARCH BIĞĞ., 20 S., 2030 E., SLC, UT
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musculus CS78L/6J (male) was obtained from the Jackson
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55.0%; Score 11; DB 28; Length 20; 73.7%; Pred. No. 2.9e+05; Arive 0; Mismatches 5; Indels
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Fax: 801 585 7177
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Pluveszity of Urah Genome Center
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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia Butheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
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Pred, No. 1.90+05;
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Fax: 801 585 7177
Email: ddunm@genetics.utah.edu
Inmert Length: 10000 Std Error: 0.00
                                                                                                                     0; Mismatches
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Location/Qualifiers
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AZS92714.1 GI:11714904
                                                    Best Local Similarity 92.3%;
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And research with the Anderson and A
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/note="Adult human lung, 3' directed MboI"
3 c 4 g 12 t
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ww-bio.llnl.gov/bbrp/image/image.html Trace considered overall poor quality Insert Length: 1294 Sid Error: 0.00 Seq primer: -40UP from Gibco High quality sequence stop: 1. Location/Qualifiers

on 05/19/2004

'organism="Homo sapiens" /mol\_type="mRNA" /db\_xref="taxon:9606" /clone="IMAGE:2118502"

. 22

Bource

sex="male"

Contact: Robert Strausberg, Ph.D.

Numor Gene Index

6 GEFERENCE AUTHORS TITLE CT JOURNAL CT JOURNAL

Unpublished

AIS68835.1 GI:4532209

OVERSION SOURCE ORGANISM

Homo sapiens (human)

Homo sapiens

Cobject Seeds 1

57.0%; Score 11.4; DB 9; Length 22;

Query Match

BASE COUNT ORIGIN

Email: ddunmegenetics.utah.edu
fineste Length: 10000 Std Brzor: 0.00
Flate: 6538 row: M column: 03
Seq pitae: CACAGGANACAGCTATGAC
Class: plasmid ends
High quality sequence stcp: 27.

organism="Mus musculus"

PEATURES

mol\_type="genomic DNA" strain="C57BL/6J" db\_xref="taxon:10090" clone="UUGC1M0538M03" Location/Qualifiers

"sex="Male"

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HUMGS03038 Human adult lung 3' directed Mbol cDNA Homo sapiens CDNA
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /lab host="B. Coli strain XL10-Gold, T1-resistant, F-" folone lib-"Nouse lokb plasmid UUGCIM library" fortes" fortone: PRD42TV; Purified genomic DNA from M. masculus C57BL/6J (male) was obtained from the Jackson
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Robi,K., Okubo,K., Yosii,J., Yokouchi,H. and Matsubara,K.
Aspression profile of active genes in human lung
DNA Res. 1, 279-287 (1994)
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Institute for Molecular and Cellular Biology
Osaka University
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Tel: 06-877-511 x3910
Fax: 06-877-1922.
Pax: 801 565 7177
Email: ddunn@qenetice.utah.edu
Insert Length: 10000 Std Error: 0.00
Place: 0298 row: S column: 16
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Seg primer: CACACAGGAACAGCTATGACC
Class: plasmid ends
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
                                                                                                                                                                                                                                                                                                                                                                                                           High quality sequence stop: 26.
Location/Qualifiers
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/sex="Male"
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140298816R Mouse lokb plasmid UGCHN library Mus musculus genomic
clone UGCTH0298816 R, genomic survey sequence.
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Score 12.6; DB 28; Length 27; Pred. No. 5.9e+04; 4; Indels

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O Query Match

Best Local Similarity 78.9%;

Matches 15, Conservative

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CATGCATGCATTACGTACG 20

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Location/Qualifiers

PRATURES

Unpublished Contact: Robert B. Weiss University of Utah Genome Center University of Utah

JOURNAL

TITLE

lel: 801 585 5606 USA

wus musculus (house mouse)

ORGANISM VERSION

SOURCE

AUTHORS

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Neisseria gonorrhoese and Staphylococcus sp. using DNA based tests provides faster results than aubstrate specificity tests as results can be determined in an hour and improved accuracy is also achieved.
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                                                              (INPE-) INPECTIO DIAGNOSTIC (IDI) INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 21, Page 1456, 1580pp; English
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New polypeptide-human zinc finger protein 8.8 and polynucleotide for
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                                                                                                 sucoding such polypeptide
                                                              VPI; 2002-64445/70
                                          Aso Y, Xie Y,
Witcheic acid mequances are used to generate universal probes and primers which can be used to identify and detect the presence of algal, archeal, fungal and persettical apecies in a teer sample -
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therapy of vertebrate animal, comprises nucleoxide sequence identical 
to andogenous target sequence in the genome of vertebrate animal cell
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                                                                                                 Murphy KM,
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                                                                                        Graham MW, Rice RN,
                                                                                                                                                                                WPI; 2001-596939/67
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                                                                                                                                                                                                                                                       Genetic construct for generating transgenic animal cells and in gene
therapy of vertebrate animal, complete muchocide sequence identical
to endogenous target sequence in the geneme of vertebrate animal cell
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82.4%; Pred. No. 8.2e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Generic silencing; medical industry; animal husbandry; veterinary; gene therapy; electromobility shift assay; EMSA, Oct-Eactor protein; N-Oct-1; N-Oct-3; probe, ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Oct-dpm8, probe used for EMSA of Oct-factor proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 23 BP; 8 A; 5 C; 5 G; 5 T; 0 other;
(QUEE-) STATE QUEENSLAND DEPT PRIMARY IND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 19, Page 114; 176pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Operaty March

Marchen 14: Conseasystics 11:31 Sec

Machine 11: Conseasystics 11: Conseasystic
                                                                                        Murphy RM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             melanoma cells in vitro.
                                                                                        Rice RN,
                                                                                                                                                                       WPI; 2001-596939/67.
                                                                                        Graham MW,
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Genetic silencing; medical industry, animal husbandry; probe; 
decrinary; gene therapy, electronobility shift assay; RMSA; 
Oct-factor protein; N-Oct-1; N-Oct-3; simian vitus 40; SV40; de.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Oct-WT, SV40 probe used for EMSA of Oct-factor proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 ATGCATGCATTACGTAC 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (BENI-) BENITEC AUSTRALIA LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rhesus macaque polyoma virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17-MAR-2000, 2000AU-0006363.
24-JAN-2001; 2001AU-0002700.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-MAR-2001; 2001WO-AU00297.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18 ATGCCTGCATTGTGTAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAD21015 standard: DNA: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 82.4
es 14, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200170949-A1.
                                                                                                                                                                                                                                                                                                                                                                         Haseltine WA,
                                                                                                                                                              27-JAN-1994;
                                                                                                                                                                                                                       27-JAN-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27-SEP-2001.
                                            US6482606-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15-JAN-2002
                                                                                                     19-NOV-2002
                                                                                                                                                                                                                                                                                                                                                Adams MD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAD21015:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAD21015/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 12
            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention materials no nowell human DM repair proteins (e.g. MLH, MEA), MEAN and polymericatides encoding each proteins Sequence of the invention are useful. (for thereputer purposes, e.g., for treating materials of the meanting of the invention are useful.) (for thereputer purposes, e.g., for treating materials of the contract of the purposes and therefore the contract of the mean factor of extentition materials of the material of the meanting of the meanting of the material of the meanting o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel isolated human DNA repair polypopiide useful for diagnosing, preventing or trasting cancer, or for in vitro purposes related to scientific research, synthesis of DNA and manufacture of DNA vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                       Human; DNA repair protein; therapeutic; cancer; therapy; immunogen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human, DNA repair protein, HMLH1; human mut L homologue 1; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             lung cancer; prostate cancer; overlan cancer; breast cancer; prostate cancer; good cancer; atcomed cancer; DNA replication error; gonetic recombination error; preedtary assemptibility to cancer; opcoatatio; gene therapy; sequencing; primer; set
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Fleischmann RD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61.0%; Score 12.2; DB 24; Length 20; 82.4%; Pred. No. 8.16+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human mut L homologue 1 (HMLH1) sequencing primer #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ruben SM, Wei Y, Adams MD, Flei
ldner RA, Kirkness EF, Rosen CA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20 BP; 7 A; 4 C; 5 G; 4 T; 0 other;
                                                                                                                                                                                              duman MLH1 cDNA amplifying PCR primer, 5283.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0, Migmatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Column 61; 69pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 ATGCATGCATTACGTAC 19
                                                                                                                                                                                                                                                                                       MLH1 protein; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABX12523 standard; DNA; 21 BP
            AAD45370 standard; DNA; 20 BP
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94US-0210143.
94US-0294312.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (HUMA-) HUMAN GENOME SCI INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity 82.4%;
ses 14, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 95US-0468024
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                                                                                                                              27-DEC-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Fuldner RA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-634734/68.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Haseltine WA,
                                                                                                                                                                                                                                                                                                                                                ното варіеня
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27-JAN-1994;
16-MAR-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-JAN-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23-AUG-1994
MANASTAN MAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Fraser CM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABX12523;
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ID ABX129
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The juvenistic describes an isakete polyucitorist de recollegia human DNA sensar procession, within its designated human must. It homologue it (Rethill. The purposes in Polymoristic des sensar and in disposition of the result of the construction of the purposes in the purposes in the purposes of the purposes in the purposes in the purpose in the pur
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New human DNA mismatch repair polymucleotides and proteins, useful for disgnosting or treating conners (e.g. lung, prostete, owarian or breast cancer), or for correcting errors made during DNA replication and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Puldner RA. Kirkness SF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61.0%; Score 12.2; DB 25; Length 21; 82.4%; Pred. No. 8.1e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 21 BP; 8 A; 4 C; 5 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , Fraser CM, Pul
Ruben S, Wei Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Column 11-12; 28pp; English.
                                                                                                                                                                                                                                                                                                                                             (HUMA-) HUMAN GENOME SCI INC.
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94US-0187757
                                                                                                                                                              94US-0187757
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Fleischmann RD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rosen CA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      genetic recombination
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The greatest investion to takes to lobolyty pine polytaclectides with one of more simple sequence (segment (see AAVA202-AYA22), SSES are also more simple sequence (segment (see AAVA202-AYA22), SSES are also shown on a incrementalize DAM reports. The SSES are useful as genetic analysis of a polytacing section is noted, as genetic analysis of application section is noted, and section of the sect
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Polynucleotide having simple sequence repeat useful as markers in plane for genetic characterisation e.g. genetic mapping study. an inheritance suculy of a commercially important trait in a plant breeding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCR primer; loblolly pine; Simple Sequence Repeat; SSR;
microscatellite DNR repeat; spenetic marker; maploing inheritance study;
population genetics study; plant breeding programme; ss.
                                                                                                                                                            Gaba
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                  Length 27;
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Pred. No. 8.1e+03;
                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Forward PCR primer for loblolly pine locus RIPPT658
                                                                   Score 12.6; DB 21;
Pred. No. 5.2e+03;
O. Mismatches 4;
       Sequence 27 BP; 8 A; 10 C; 4 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20 BP; 7 A; 4 C; 3 G; 6 T; 0 other;
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                                                                                                                                                                                                                               2 CATGCATGCATTACGTACG 20
                                                                                                                                                                                                                                                                                           1 carccardcacrccarare 19
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                                                                                  63.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-JAN-2000; 2000WO-US00325.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99US-0232785
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         82.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAA74107 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TGCATGCATTACAAATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                     15, Conservative
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(NBLS/) NBLSON C D.
(USDA ) US SEC OF AGRIC.
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Matches 14; Conserva
                                                                                  Query Match
Best Local Similarity
Matches 15; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LS-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pinus taeda
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screening potential drugs, defecting virlance and treating conditions
associated with infection by a Gram negative bacterium -
Probe #2 (AAQ46967) hybridises to, and is specific for, the 16S raws S. programe. Mybridisation was enhanced by the use of helper probes AAQ4691 and AAQ46922. The probe can be used alone or in a mix with other S. pyggenes-specific probes to distinguish S. pyggenes from
                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Virulence protein; tatA; tatB; tatC; tatE; mdoG; creC; racG; yggN; eck1; iroD; iroC; iroE; mtd2; ms1; vaccine; infection;
                                                                                                                                                                                                                                                                                                                                                                      ő
                                                                                                                                                                                                                                                                                           63.0%; Score 12.6; DB 14; Length 26; 78.9%; Pred, No. 5.2e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Holden DW,
                                                                                                                                                                                                                                                                                                                                                                      4; Indels
                                                                                                                                             closely related bacteria (i.e. other Streptococcus spp.)
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                                                                                                                                                                                                                        Sequence 26 BP; 5 A; 8 C; 6 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                      Migmatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                         CATGCATGCATTACGTACG 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAA15194 standard; DNA; 27 BP
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98GB-0027814.
98GB-0027815.
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98GB-0027818.
99GB-0000708.
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                                                                                                                                                                                                                                                                                                                                                                      15; Conservative
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Best Local Similarity
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09-NOV-1998;
17-DEC-1998;
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13-JAN-1999;
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Feldman RG;
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                                                                                                                                                                                                                                                                                                                                                                      Matches
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AAD45370/c

(JACK-) JACKSON POUND ADVANCEMENT MILITARY MED

Communication of the general Cop martie is unswithylated, and the inclination of the general Cop martie of the Cop marti producing activated lymphocytes which are then administered to the host. The present sequence represents an immunogenic CpG oligodeoxymucleotide of the sinvention. and complete the pass and complete the pass of the pas

Gaps ö 65.0%; Score 13; DB 22; Length 17; 100.0%; Pred. No. 3.1e+03; tive 0; Mismatches 0; Indels 100.0%; Prec. ...

ABK46523:

05-JUN-2002 (first entry)

unmethylated CpG, oligdideoxynucleotide, ODN; virucide; vaccine; Immunostimulatory unmethylated CpG oligodideoxynucleotide #113.

WO200211761-A2 Synthetic

14-PBB-2002.

10-AUG-2000; 2000US-224011P. 01-SEP-2000; 2000US-229307P. EULT 6

ABA6631/C

ABA

Sequence 17 BP; 8 A; 3 C; 3 G; 3 T; 0 other;

ABK46523 standard; DNA; 17 BP

Paramyxoviridae; P protein; respiratory syncytial virus; RSV; Yral bronchiolitis; pneumonia; infectious pulmonary disease; bronchopulmonary dysplasis; conqenital hear condition; se.

09-AUG-2001; 2001WO-US41633

Vaccine for immunising patient against respiratory syncytial virus, has epitopes of Paramyoviridae b protein, and cycosine followed by guanthe linked by phosphate bond-ollgodideoxymucleotides. The invention describes a vaccine opergraing one core epitopes of a Paramyovitida P protein, and one or more followed by examine invention for invention for the invention of the invention for Klinman DM; Claim 4; Page 9; 30pp; English. Prince G. WPI; 2002-227118/28 Mond JJ. \*

O: Gabs 65.0%; Score 13; DB 24; Length 17; 100.0%; Pred. No. 3.1e+03; 0: Indels 0: Mismatches Query Match
Best Local Similarity 180...
Best Local Similarity 180...

Sequence 17 BP; 8 A; 3 C; 3 G; 3 T; 0 other;

creation of the vaccine.

0

à q

25-JAN-1994 (first entry) AA046972;

AAQ46972 Standard; DNA; 26 BP.

RESULT 7

group A beta-haemolytic Streptococcus; S.pyogenes; ribosomal RNA; Helper Probe #7 to detect Streptococcus pyogenes rRNA.

respiratory tract infection; sinusitis; pharyngitis; meningitis; onsillitis; septicaemia; pyoderma; endocarditis; impetigo; helper probe; ss

Synthetic.

US5232831-A. 03-AUG-1993

91US-0720586. 91US-0720586. 28-JUN-1991; 28-JUN-1991;

(GEPR-) GEN PROBE INC.

Hammond PW, Milliman CL, WPI; 1993-257892/32.

Streptococcus pyogenes - capable of distinguishing it from related species when used alone or as a mix New nucleotide polymers used as probes for detection of Claim 7; Column 13; 9pp; English

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Novel oligonucleotides useful for the prevention and treatment of allergies, cancer, and autoimmune disorders and for ameliorating
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 8 A; 3 C; 3 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       65.0%; Score 13;
100.0%; Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13 GCATGCATGCATT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Anthrax and Listeria.
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(VERT/) VERTHELYI D.
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Matches 13; Conserv
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Infraemen, inscenti anticopy production, interferontine production 
therapeurica alergys are abenia, ensore, a noteinum of accepts interction 
blow-entire; wordine, antitemes therapy, eccess, alterior chaintist, 
mortal my fewer; unitediated in New few few allowing a copic condition, 
input expressions that are a consistent of the contract of the 
input expressions; themseld arthuris, militals excitedated in 
achievements; the contractions; acquired memodeficiency syndrome, AIDS, 
Leishmania; EDO-14, Anthrax, Listeria; m.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       68.0%; Score 13.6; DB 17; Length 28;
80.0%; Pred. No. 1.6e+03;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GCATGCATGCATTACGTACG 20
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Matches 16, Conservative
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of a perpetur resulting for exponer to bit-confirst engine specific himself. This induction of immus response improves the efficiency of a vaccine and is used in antianess thereby. The ONs are useful for treating preventing or amalorating although the ONS are useful of the content of the amalorating preventing or amalorating although the office of the original and the original prevention of the property the diffice of forestimate and the original prediction for improving the diffice of forestimate and the original prevention of the original prevention or original pre
yetem e.g. autoimmune disorder or an immune system deficiency, infection
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Length 17;
DB 22; Le
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Gaps

ö 0; Indels Immunogenic CpG oligodeoxynucleotide, SEQ ID NO:95. 0; Mismatches

Op 0.1000cytoclestic (unmethylated matterning cell; immunganter, opto.1000cytoclestic enterent matterning cell; immunganter, opto.1000cytoclestic enterent matterning cell; immunganter, opto.1000cytoclestic enterent matterning cell; immunganter of manner opposite (med. 1000cytoclestic enterent) cell; immunganter of matterning cell; immunganter of matterning cells opto.1000cytoclestic enterent of matterning cells of matterni

The invention relates to novel immunogenic CpG oligodeoxynucleotides (AAC80581-C80723). The oligonucleotide are at least 10 bases long

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DNA fragments useful for increasing p53 activity in a cell and reducing susceptibility to UV-induced hyperproliferative diseases
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AAALROS-y represent Onk fragments that he are used for increasing p53 activity in a cell. The oligomichocides are are UV simetices and proceed colls applies the absengent exposure to UV-tradadation or Little and the cells. The cells applies to the applies to UV-tradadation or Little and the cells applies the absengent exposure to UV-tradadation or Little and the cells are cells and the cells are cells and the cells are the cells are the cells are cells and the cells are the and reducing susceptibility to skin cancer. Claim 11; Page 30; 44pp; English.

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100.0%; Score 20; DB 20; Length 20;
100.0%; Pred. No. 0.83;
Live 0; Mismatches 0; Indels
Sequence 20 BP; 5 A; 5 C; 5 G; 5 T; 0 other;
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Gaps

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20; Conservative

AAS14912 Standard; DNA; 20

Melanogenesis associated oligonucleotide #8. 14-FEB-2002 (first entry)

Wakatu, melanogenic, oligomer, oyrostatic, ant-ellurgic, p\$3; anti-inflaamenory demaclogical, ophibimological, anti-peoriatic; immuneuppressive; DNA repair prollication limbilor; approach siease; curcinoma, coddative stress; skin concer; allergy mediated inflaametion; curcinoma, coddative stress; skin concer; allergy mediated inflaametion;

conjunctivitis, allergic rhinitis; vitiligo; ss.

Location/Qualifiers

/mod\_base= g /note= "Phosphorylated"

30-MAR-2001, 2001WO-US10162 31-MAR-2000; 2000US-0540843

Eller M; Yaar M,

Inhibiting proliferation of epithelial cells, useful e.g. for treating carcioms, using specific oligonucleotides that mimic the effects of tutra-viole light . Claim 1, Page 39; 74pp; English.

ö The invention describes inhibition of mammalian epithelial cell corforcation by trearing cells which at least one oligomucleocide, profiferation by trearing cells which have cycostatic, and allargic.

manicappressive descriptions, oppositions, considered manical control and manicappressive descriptions, oppositions of the manicappressive descriptions, descriptions to the manicappressive descriptions, and manicappressive descriptions of the man populae that resembles the fragment excised during excision repair of Thymine dimers and one of the oligonucleotides used to inhibit mammalian epithelial cell proliferation, described in the method of the invention 

Sequence 20 BP; 5 A; 5 C; 5 G; 5 T; 0 other;

ö Gaps ö 100.0%; Score 20; DB 23; Length 20; 100.0%; Pred. No. 0.83; Pred. No. 0.83; 0; Mismatches 20; Conservative Best Local Similarity Matches 20; Conserv Query Match

ò 윱 RESILT 3

Maltoqenic alpha-amylase signal peptide PCR primer DK16. AAT29051 standard; DNA; 28 BP 03-OCT-1996 (first entry) AAT29051; AAT29051

Beta-1,3-glucamase, Cellulomonas cellulans, Becillus subtilis;
ytic empain-bat-aglucan degradation; cell vall lysts pignett; colorant; flavour; yasat extract; protoplast;
pignett; colorant; flavour; yasat extract; protoplast;
postekovia xantilneolytica, polymeteme chian resection; primer;
PCR, alpha-emylase; signal peptide; Becillus stearothormophilus;

Synthetic.

Asenjo JA, Diers I, Perrer P, Halkier T, Hedegaard L; 95WO-DK00414 94DK-0001192. (NOVO ) NOVO-NORDISK AS. 16-OCT-1995; 14-OCT-1994; WO9612013-A1 25-APR-1996. Savva D;

DNA construct encoding enzyme with beta-1,3-glucanase activity - useful for modifying or degrading beta-glucan contg. material and in the preps. of e.g. food colourants, lawourings and yeare extracts Example 7; Page 22; 60pp; English WPI; 1996-222000/22.

Page

Gopyright (c) 1993 - 2003 Compiled.  OW muclaic - nuclaic essenth, uning me model. Search interesty 1995 Seconds Run on: December 31, 2003, 1136.01, Search interesty 1995 Seconds Run on:	Titles cover 10 09-340-661-8 Acquesce: 10 09-340-661-8 Acquesce: 10 05-340-661-8 Acquesce: 10 05-340-8 Acquesc	### Charactering   Whitein March   Whitein Whitein March   Whitein Whi

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					COLUMNITED	
Result No.	Score	Query	Query Match Length DB ID	DB	ID	Description
-	1 20 100.0 20 20	100.0	30	20	AAZ10697	Oligonucleotide se
2	50	100.0	20	23	AAS14912	Melanogenesis asso
e	13.6	68.0	28	17	AAT29051	Maltodenic alpha-a
*	13	65.0	17	22	AAS09645	Immunoreactive CpG
S	13	65.0	17	22	AAC80675	Immunogenic CpG ol
9	13		17	54	ABK46523	Immunostimulatory
-	12.6		56	14	AA046972	Helper Probe #7 to
00	12.6		27	21	AAA15194	PCR primer for DNA

ALIGNMENTS	522	AC AAZ10697;	DT 23-NOV-1999 (first entry)	by Oligonucleotide sequence that increases p53 activity in a cell.					OS Syntheric		PN GB2336157-A.	PD 13-0CT-1999.	PF 24-MAR-1999; 99GB-0006758.	PR 26-MAR-1998; 98US-0048927.	PA (UYBO-) UNIV BOSTON.	AA Gilchrest BA, Yaar M, Blier M;	DR WPI; 1999-543520/46. XX
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Webbod and appearing for performing large numbers of reactions
using array assembly.
Bencepon Laboratories, Inc. (US)
Pencepon Laboratories, Inc. (US)
Location/Qualitiese
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Sequence 2 from Patent W00127327.
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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Search completed: December 31, 2003, 17:09:50 Job time : 1844.27 Secs

Gabs

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Query Match 61.0%; Score 12.2; DB 6; Length 23; Best Local Similarity 82.4%; Pred. No. 1.6e+05. Metches 14; Conservative 0; Mismatches 3; Indels Metches 14; Conservative 0; Mismatches 3; Indels

2 CATGCATGCATTACGTA 18

3 CAAGCATGCATTATGCA 19

/note="Oligonucleotide"

4 9

BASE COUNT ORIGIN

linear PAT 03-JUL-2002

24 bp DP Sequence 2034 from Patent W00216649. AX445579

AX445579.1 GI:21692860

DEFINITION OCCESSION OCCESSION OFFERION OUNCE OCCESSION

RESULT 10 AX445579/c

synthetic construct artificial sequences. synthetic construct

Gunderson, K.

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Cloudhary, G., Hahnenberger, K., Kuekes, P.J., Lichtenwalter, K. and
Hancock, M.S.
                                                                                                                      1 (hasse 1 to 30)
Sactobaccher, C. and Rouviere, P. B.
Oxidation of a cyclobramone derivative using a Brevibacterium
Cyclobramone monoxygame monoxygame monoxygame monoxygame patent: US 646524+ A 43 15-CCT-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Method of binding a plurality of chemicals on a substrate by electrophorate cell-transembly electrophorate cell-transembly Patent: US 6107038-A 1 22-AUG-2000;
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                          Sequence 43 from patent US 6465224.
AR236687
AR236687.1 GI:27280788
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AR106386
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ORGANISM

KEYWORDS REFERENCE AUTHORS

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forganism="synthetic construct"
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Probes and decoder oligonucleotides Patent: WO 0216649-A 2034 28-FEB-2002;

Location/Qualifiers

Illumina, Inc. (US)

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Brootsoic, P.C. and Rouviere, P.B.
Genes and enzymes for the production of adipic acid intermediates
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Adams M.D., Pleischmann, R.D., Fraser, C.M., Puldner, R.A.,
Kirkness, E.F., Resetting, W.A., Rosen, C.A., Ruben, S. and Wei, Y.-P.
Richam DW, miserch repair to Cylvucideorides
Patent: US 642566-A 19 19-NOV-2003;
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/mol_type="genomic DNA"
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23-AUG-1994 US 08/294312
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JP 2002325588-A/18.
synthetic construct
synthetic construct
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SOURCE

TITLE

location/Qualifiers

PEATURES

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28 bp

E06768 Synthetic oligonucleotide

Copies

GI:2174950

306768.1

ACCESSION REPERENCE

306768

synthetic construct synthetic construct JP 1994046874-A/10.

GEYWORDS CURCE ORGANISM

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Query Match Best Local Similarity

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BASE COUNT Matches

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PAT 16-JUL-2002
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1 (bases 1 to 28)
Mori.M., Okuno.T. and Purusawa,1.
Process for production of exogenous gene or its product in plant ceils
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Secretary of the Department of Health and Human Services (US) Secretary (Qualifiers
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Vaccine agains RSV
Paten: 0.021176.1.31 14-FEB-2002;
HERRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY
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/mol type="genomic DNA"
/mb xref="taxon:32630"
/noTe="Synthetic DNA"
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Location/Qualifiers
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Sequence 113 from Patent W00211761.
AX465445
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Sequence 95 from Patent WO0151500.
AX194495
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93.3%;
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synthetic construct
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Best Local Similarity 93.33
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Pred. No. 3.5e+04;
                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 20; DB 6; Length 20;
1larity 100.0%; Pred. No. 8.5;
Conservative 0; Mismatches 0; Indels
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Location/Qualifiers

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strandedness: Single,

topology: Linear; hypothetical: No, anti-sense: No.

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Guery Match
Best Local Similarity 93.35
Local 14,1 Conservative

Unknown. Unclassified.

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DEFINITION KEYWORDS SOURCE ORGANISM

VERSION POCUS

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score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. SUMMARIES

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PAT 29-OCT-2001 linear DNA Gilchrest, B.A., Yaar, M. and Eller, M. Use of locally applied dna fragments Patent: WO 0174342-A 8 11-OCT-2001; TRUSTES OF BOSTON UNIVERSITY (US) AX268760 20 bp Sequence 8 from Patent WO0174342. AX268760 AX268760.1 GI:16541832 synthetic construct synthetic construct artificial sequences. RESULT 1
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Pred. No. is the number of results predicted by chance to have a

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TITLE OF PROMETRON ENGINEER No.646 Treatment of Diseases or Conditions Relact
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ORGANISM: Artificial Sequence
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Search completed: January 1, 2004, 01:10:38 Job time : 82.6076 secs

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APPLICANT: NOBERTS, BRUCES, SRUCES
APPLICANT: SHANKAN, STATIVAS
TITLE OF INVESTION: PREPRANTION AND USE OF SUPERIOR VACCINES
FILE REFERENCE: GA0201C
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stive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION WOMER: US/10/033,145
CURRENT FILING DATE: 2001-11-05
PRIOR APPLICATION WOMER: PCT/US99/13800
PRIOR FILING DATE: 1999-66-18
WOMER OF SEQ ID NOS: 2137
SOFTHAME: PRECENTIN VERSION 3.0
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; Publication No. US20020151515A1
; GENERAL INFORMATION:
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                                                                  ; OTHER INFORMATION: Description of Artificial Sequence: Probe US-09-398-399-31
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Beet Local Similarity 100.04; Pred. No. 1.1405;
Matches 7; Conservative 0; Mismatches 0;
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; OTHER INFORMATION: Synthetic oligonucleotide
US-10-329-465-30
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PRICAR FILING DATE: 2001-12-27
WOMBER OF SEC ID NOS. 315
SOFTWARE PACENTIN VETBION 3.1
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Patent No. US20020068293A1
GENERAL INFORMATION:
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OTHER INFORMATION: synthetic probe
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Patent No. US20020051973A1
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Query Match 100.04; Score 7; DB 15; Length 7; 
Beef Local Similarity 100.04; Pred. No. 4.8e-09; 
Matches 7; Conservative 0; Mismatches 0; Indels
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TITLE OF INVENTION: Method to Inhibit Cell Growth Using
TITLE OF INVENTION: Oligomoclocitides
FILE REFERRICE: 0054.1086.019
CURRENT PELLIKOR NUMBER: 31/10/122,633
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 7
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PCT/US01/10162
PRIOR FILING DATE: 2001-03-30
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PRIOR FILING DATE: 2001-03-30
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PRIOR FILING DATE: 2000-03-31
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Publication No. US20030032610A1
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Publication No. US20030032611A1
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APPLICANT: Glichrest, Barbara A.
APPLICANT: Eller, Mark S.
APPLICANT: Yaar, Mina
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ORGANISM: Artificial Sequence
FEATURE:
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US-10-122-630-1
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US-10-122-633-7
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PRICE APPLICATION NUMBER: US 0/0448-927
PRICE FILTHOUSER: US 0/0448-927
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PRICE PRIC
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-10-122-630-7
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CURRENT FILING DATE: 2002-04-12
PRIOR APPLICATION NUMBER: US 08/467,012
PRIOR FILING DATE: 1995-06-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: PCT/US96/08386
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Publication No. US20030032610Al
GENERAL INFORMATION:
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O Pablication No. US20030032611A1
G GRIRRAL INCOMMINION.
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NGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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SEQ ID NO 3 LENGTH: 7 FEATURE:

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Sequence 6558, Ap
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US-09-817-879-4558
US-09-817-879-4571
US-10-440-850-88
US-10-440-850-569
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Pred. No. 4.8e+08;
0; Mismatches 0;
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US-09-866-108-2750
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SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 3
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JS-10-122-630-3
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Best Local Similarity 100.0%;
Matches 7; Conservative 0;
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ORGANISM: Artificial Sequence
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   US-10-122-630-3
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Sequence 7, Appli
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Sequence 1423, Ap
Sequence 15, Appl
Sequence 16, Appl
Sequence 4624, Ap
Sequence 4624, Ap
Sequence 22, Appl
                                                                                                                 December 31, 2003, 17:10:00 ; Search time 81.6076 Seconds (without alignments) 256.886 Willion cell updates/sec
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corre greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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Copyright (c) 1993 - 2004 Compugen Ltd.
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US-10-33-145-1423
US-10-150-779A-15
US-05-779A-15
US-09-140-332-4624
US-09-817-8624
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US-09-817-8624
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Octal number of hits satisfying chosen parameters:

Winname Besq Length; 30

Seximum DB seq Length; 30
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US-10-122-630-1
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US-09-398-399-31
US-09-899-381-31
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                                                                                 OM nucleic - nucleic search, using sw model
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Maximum Match 100%
Listing first 45 summaries
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Gapop 10.0 , Gapext 1.0
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Match Length
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100.0%; Score 7; DB 2; Length 15; 100.0%; Pred. No. 8.6e+03;

Ouery Match 100.

Best Local Similarity 100.

Matches 7; Conservative

9 AGTATGA 15

US-09-094-714A-33/C

RESULT 14 g

1 AGTATGA 7

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; STRANDEDNESS: single ; TOPOLOGY: linear US-08-485-133-28

0; Mismatches

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Sequence 13. Application US/09094714A
Benet No. 6171547. INTERMENTAL INTERMENT

NUMBER OF SEQUENCES:

MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE COMPUTER: IBM PS/2

COMPUTER READABLE FORM:

ZIP: 19103

STATE: PA COUNTRY: USA

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/094,714A
FILING DATE: June 15, 1998

OPERATING SYSTEM: PC-DOS SOFTWARE: WORDPERFECT 8.0

Copied from 09980559 on 05/19/2004

CLASSE TREATED MATE 3, 1399

RETOR APPLICATION DATA.
APPLICATION MATERS. 09(61), 269

FILING DATE: 14-FEB-1965

REDIA PRICKATION DATA.
APPLICATION MATERS. 09(478,178

REDIA PRICKATION DATA.
APPLICATION WATERS. 09(478,178)

FILING DATE: 09(49,996

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GURBALL TREPENTION:
TETRAN BERMERL, NICHOLBE M. Dean
PELLOANT: C. TERRA BERMERL, NICHOLBE M. Dean
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MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
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Job time : 28.3136 secs
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FILLING DATE: 16-MAR-199
ATTORNST/AGENT INFORMATION:
NAME: PRAIL K. LEGGRATO
REGISTRATION NUMBER: 36.54
REFERENCE/DOCKET NUMBER: 1515-294
FELEDROWNINGTATION INFORMATION
FELEDROWNING TOLIS
US-09-094-714A-34/c
; Sequence 34, Application US/09094714A
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FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
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APPLICATION NUMBER: 08/601,269
FILING DATE: 14-FEB-1996
PRIOR APPLICATION DATA:
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APPLICATION NUMBER: US/09/C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDPERFECT 8:0
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PRIOR APPLICATION DATA:
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INFORMATION FOR SEQ ID NO:
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SDNESS: single
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US-09-094-714A-34
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                                                                                   Patent No. 6117847
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Gaps

0; Indels

; Score 7; DB 3; Le ; Pred. No. 8.6e+03; 0; Mismatches 0;

100.04;

Query Match
Best Local Similarity 100...
7, Conservative

ISIS-2943

(215) 568-3100 TELEFAX: (215) 568-3439 INFORMATION FOR SEQ ID NO: 33:

SEQUENCE CHARACTERISTICS:

TYPE: nucleic acid STRANDEDNESS: single

linear

US-09-094-714A-33

NAME: Paul K. Legaard REGISTRATION NUMBER: 38,534 REFERENCE/DOCKET NUMBER: 18; TELECOMMUNICATION INFORMATION:

APPLICATION NUMBER: 07/852,852 FILING DATE: 16-MAR-1992 ATTORNEY/AGENT INFORMATION:

Length 15;

us-09-540-843-7.szlm30.rni

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ORGENEAL MINEMATICAL:
APPLICATION ALLIANET, PRECISE A.
APPLICATION MANAGEMENT PRECISE A.
APPLICATION MANAGEMENT PROPERTY PRECISE A.
APPLICATION MANAGEMENT PROPERTY PROPERTY OF PROPERTY O
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Pred. No. 8.6e+03;
2; Mismatches 0; Indels
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CURRARY APPLICATION BARY. 10/8/485,133
FILLING DARE: "7-JRK-1886: US/08/485,133
FILLING DARE: "7-JRK-1886
FILLING DARE: "1-JRK-1895
CLASSIFFORTION: 435
CLASSIFFORTION: 435
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WHICH INCOME INCOM
                            APPLICATION NUMBER: US/08/585,6848
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MRDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 28, Application US/08485133
Patent No. 5976789
                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUBBER:
FILING DATE: July 7, 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                  January 16, 1996
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STREET: P.O. Box 19928
CITY: Alexandria
STATE: Virginia
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Best Local Similarity 71.4%;
Matches 5; Conservative 2;
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NAME: Bertridge, William P.
REGISTRATION NUMBER: 30,02
REFERENCE/DOCKET NUMBER: W
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SEQUENCE CHARACTERISTICS:
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nucleic acid
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CORRESPONDENCE ADDRESS:
ADDRESSEE: OLIFF & B.
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; TOPOLOGY: linear
US-08-585-6848-1315
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Pred. No. 8.6e+03;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
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FILING DARE: Januery 16, 1396
PRIOR APPLICATION DARP:
APPLICATION NUMBER: 60/00,951
FILING DARE: July 7, 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: PagtSEO Version 1.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FRACEC Version 1.5
CURRENT APPLICATION DATA:
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NUMBER OF SEQUENCES: 2751
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 130:
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TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 100.0%;
Oset Local Similarity 71.4%;
D Matches 5; Conservative 2;
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SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                  STREET: Suite
CITY: Los Angeles
STATE: California
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STATE: California
COUNTRY: U.S.A.
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TELEPAX: (213) 955-0440
TELEX: 67-3510
INPORMATION FOR SEQ ID NO: 327:
SEQUENCE CHARACTERISTICS:

LENGTH: 15 base pairs TYPE: nucleic acid STRANDEDNESS: single

, TOPOLOGY: linear US-08-334-847-327

S AGUAUGA 11

1 AGTATGA 7

(213) 489-1600

TELEPHONE:

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Gaps
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                                                                                                                                                                                                                                                                                                               APPLICANT MATRY (GEALA PREZIDENT MATRY SEPLICANT: BORNICO, ALLON ARADOLONTE, SENGEL ANALY SEPLICANTE, SENGENCE SE SERUPENCE OF NOTATION NUCLEARING SERUPENCE OF DE-2 CREEK ASSOCIATED WITH TITLE OF INVESTICAN: BALIN THOMSE AND WESTHOODS BASED THERROW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 7; DB 2; Length 15; 100.0%; Pred. No. 8.6e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0: Indels
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TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
TITLE OF INVENTION: AND REVERSAL OF IMMGNE RESPON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: 1
OTHER INFORMATION: Where N is any nucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0: Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/747,121
PILING DATE: 08-NOV-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: 8511-008
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-585-684B-130
; Sequence 130, Application US/08585684B
; Patent No. 5877021
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APPLICANT: Jarvis, Thale
RESULT 10
18-08-747-121-4/c
1 Sequence 4, Application US/08747121
1 Patent No. 5874290
1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31,232
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REGISTRATION NUMBER: 31,23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (212)7909090
TELEFAX: (212)8698864
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
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Best Local Similarity
Matches 7; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM:
SOFTWARE: FABLSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS: si
TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15 AGTATGA 9
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APPLICANT: Stinch
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-747-121-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               q
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.0%; Score 7; DB 1; Length 15; Best Local Similarity 71.4%; Pred. No. 8.6e-03; Matches 5; Conservative 2; Mismatches 0; Indels Matches 5; Conservative 2; Mismatches 0; Indels
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O GENERAL PROMOTION BY ARCHIOTHS

D GENERAL PROMOTION TO ANY ARCHIOTHS ARCHIO
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TOPOLGGY: linear MOLECULE TYPE: other nucleic acid

OTHER INFORMATION: OTHER INFORMATION: OTHER INFORMATION: US-08-671-071B-2

TELECOMMUNICATION INFORMATION: TELEPHONE: (314) 962-0064 TELEPAX: (314) 577-8406 INFORMATION FOR SEQ ID NO: 2:

CLASSIPICATION: 435

SEQUENCE CHARACTERISTICS: LENGTH: 15 bases

nucleic acid EDNESS: double

STRANDEDNESS:

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100.0%; Score 7; DB 1; Length 15; 71.4%; Pred. No. 8.6e+03; ive 2; Mismatches 0; Indels
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APPLICATE: PROJECT. PROMETER: PROJECT. PROJETT. PROJECT. PROJECT.
                                                                                                                                            APPLICATION NUMBER: US/08/334,847
FILING DATE: No. 5693532ember 4, 1994
PRIOR APPLICATION DATA:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                             COMPUTER: IBM Compatible
OPERATURE SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: WORD PARFECT 5.1
CURRENT APPLICATION DATA:
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OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
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                                                                                                                                                                                                                                                                                                                                                                                209/032
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NEDIUM TYPE: 3.5" Diskette, 1.44
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        209/032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 327, Application US/08334847
Patent No. 5693532
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633 West Fifth Street
Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Warburg, Richard J. REGISTRATION NUMBER: 32,327
                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: 2
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TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,3
                                                                                                                                                                                                                                                                                                                                                                                                                                     (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                            (213) 955-0440
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.
Best Local Similarity 71.4
Matches 5, Conservative
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APPLICATION NUMBER: UN
           storage
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                                                                                                                                                                                                                                    APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TOPOLOGY: linear
US-08-334-847-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  S AGUAUGA 11
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     MEDITIM TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-334-847-327
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8.6e+03;
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     AND METHODS OF USE THEREOF
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100.0%; Pred. No.
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                             NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americae
                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/744,905A
FILIND DATE: 08-NOV-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILIND DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8511-009
                                                                                                                                                                                                                                                                                                                COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
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Patent No. 5693532
GENERAL INFORMATION:
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STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31,232
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NAME: Baldwin, Geraldine F
REGISTRATION NUMBER: 31,235
REFERENCE/DOCKET NUMBER: 86
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TELEPHONE: (212)7909090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: Modified Base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPAK: (212)869864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                        ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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TYPE: nucleic acid
STRANDEDNESS: single
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GR Best Local Similarity 100.
Matches 7; Conservative
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ADDRESSEE: Lyon & Ly
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STATE: California
FITLE OF INVENTION:
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                                                                                                                                            CITY: New York
STATE: NY
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                                                                                                                                                                                                       USA
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1 AGE
14 AGE
14 AGE
15 Co. 14 AGE
16 Co. 134-847-24
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Copied from 09980559

US-09-048-927-1

SEQ ID NO 1

TYPE: DNA

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Gaps
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SEQUENCES OF C4-2, A TUMOR SUPPRESSOR GENE,
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Pacence No. 2978789
Pacence No.
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0; Mismatches
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NAME: BEFIXEDER, MILLIAM P.
REALSTRATION NUMBER: 30,024
REPREMENCE/DOCKET NUMBER: WFB 28596A
TELECOMMINICATION INPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PEDILOXION NUMBER: US/08/485,133
PILNO DATE: 7-7-UN-1995
CLASSFICATION DATE: 435
PRIOR RPPLICATION DATE: APPLICATION PRAMES: 08 030,143
APPLICATION NUMBER: 08 030,143
CLASSFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 22320

OMNUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IRM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS

OPERATING SYSTEM: PC-DOS/NS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            B. OLIFF & BERRIDGE
P.O. Box 19928
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SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
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APPLICANT: Boyncon, Alton
APPLICANT: Sehgal, Anil
TITLE OF INVENTION: NUCLEOT
TITLE OF INVENTION: SEQUENCE
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7; Conservative
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STRANDEDNESS: sing:
TOPOLOGY: linear
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                                                                                                            1 AGTATGA 7
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APPLICANT: Murphy
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          Matches
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APLICUM. Bergind, Last G. T.
APLICUM. Bergind, Last G. T.
C. MELLOM. Foundard, Rivad R.
C. MERCON. TOWARD. Gall J. R.
C. TILE SERVENCE. GALLERSTS AND WETHOOR FOR DETECTION OF HEART PAILINES
CHESEN PRILICATION ROWSES. US, 195,9722,445
C. WESSET TILING DATE: 201.08-03
C. GRESST TILING DATE: 201.08-0
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APPLICANT: Recordand, Ribard H.
APPLICANT: Recordand, Ribard H.
APPLICANT: Recordand, Ribard H.
APPLICANT: Recordand, Ribard H.
APPLICANT: Resident AND METHODS FOR DETECTION OF HEART FAILURE
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Pred. No. 8.6e+03;
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100.0%; Pred. No. 8.6e+03;
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CURRENT APPLICATION NUMBER: US/09/922,445
CURRENT FILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 51
SEQ ID NO 22
SEQ ID NO 22
LENGTH: 13
EARLIER FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Anna | 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 22, Application US/09922445; Patent No. 6528268; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: DNA Fragment
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                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence
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APPLICANT: Gallchreat, AMINA APPLICANT: Gallchreat, AMINA APPLICANT: Sallchreat, AMINA APPLICANT: Sallch, Mark TITLE OF SINNERTON: Use of Locally Applied DNA Fragments FILE REFERENCE: 1019-4681.
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APPLICANT: Globrese, Barbara A.
APPLICANT: Year, Mina
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CURRENT APPLICATION NUMBER: US/09/048,927
CURRENT FILING DATE: 1998-03-26
EARLIER APPLICATION NUMBER: 08/952,697
EARLIER APPLICATION NUMBER: 08/467,012
EARLIER APPLICATION NUMBER: 08/467,012
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Copyright (c) 1993 - 2004 Compugen Ltd.
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VERSION KEYWORDS SOURCE ORGANISM

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/db_xref="taxon:10090"
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'clone lib="Arabidopsis thaliana TDNA insertion lines"

/organiem="Arabidopsis thaliana" /mol\_type="genomic DNA" /strain="Columbia 0" /db\_xref="taxon:3702" /clone="SALK\_015664.41.95.x"

Location/Qualifiers

source

ecker@salk.edu TDNA tagged

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Salk Institute Canomic Analysis Laboratory (SIGNAL)
Salk Institute Genomic Analysis Laboratory (SIGNAL)
Salk Institute for Biological Studies
10010 N. Torray Pines Read, La Jolla, CA 92037, USA
Fax: 858 858 6379

Unpublished

JOURNAL

TITLE

Gaps

Similarity 100.0%; Score 7; DB 28; Length 25; Similarity 100.0%; Pred, No. 2.3e+05; 7; Conservative 0; Mismatches n: Indel-

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1 (bases 1 to 26)

Mus musculus (house mouse)

ORGANISM

SOURCE

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AZ345685.1 GI:10424922

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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hemil, C., Mallem, H., Longetce, S., Mahmoud, M., Menenn, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.

Nouse whole genome scaffolding with paired end reads from 10kb

Contact: Robert B. Weiss

Inpublished

JOURNAL

TITLE COMMENT

7; Conservative

Query Match Best Local Similarity Matches 7; Conserva 22 AGTATGA 16 1 AGTATGA 7

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Class: TDNA tagged

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FEATURES

BASE COUNT

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Coli strain XLIO-Gold, Tl-resistant, F-*
/clone lib*whouse 10kb plasmid UNCLM library*
hones*Vector: PMD42nv; Purified genomic DNA from M.
musculus G57BL/6J (male) was obtained from the Jackson
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/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0427J22"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       adaptored vector DNA, and transformed into chemically-competent E. coll XIAID-Cold (Stratagene) cells and selected for ampicialin remissance."
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2M0085E05R Mouse 10kb plasmid UUGCIM library wus musculus genomic
clone UUGCZM0085E05 R, genomic aurvey sequence.
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson
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Thmert Length: 10000 Std Error: 0.00
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869 primer: CACAGGAAACAGGTANGAC
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/strain="C57BL/6J"
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|clone="UUGC2M0085E05"
|sex="Male"
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'clone\_lib="Mouse 10kb plasmid UUGCIM library"

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THAGE Consertuen (LAGGamage Lillay goy) for further information.
Trace considered overall poor quality Possible reversed clone: similarity on wrong strand Insert Length: 1325 Std Error: 0.00 Seq primer: MI3R1 MIGH quality sequence ettop: 1. Location/Qualities

/organism="Homo sapiens" /mol type="mRNA" /db xref="GDB:3862504"

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Inmert Longth: 1000 554 Error: 0.00
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Sed primer: CACAGAGAAACAGCTANGACC
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/strain="C57BL/6J"
/db_xref="taxon:10090"
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Contact: Nobert B. Weise
University of Utah Genome Center
Diversity of Utah Genome Center
Rm. 308 allomedicah Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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/Clome_lib=mouse_lokb_plasmid_UGCZIM_library"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Rm. 308, Biomedical
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AZ423817
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U ORGANISM
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G AUTHORS

PEATURES

FEATURES

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All December 20.00 serving MINO-Cold, Triessessor, P. Aldon, District MINO-Cold, Triessessor, P. Aldon, Library and Alloy Desent Update 10.00 pt 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ANVUS9679 1. AND ANVUS9679 24 bp ARNA linear EST 23-ANG-2000 ANVIATI-BBBS.dhc15.aa.A050g08 DNC15 Homo sapiens cDNA, ANVIATI-BBC ANVIS9679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    chemically-competent E. coli XLI0-Gold (Stratagene) cells and selected for ampicillin resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bokaryosi, Messao, Condesta, Carathais, Verchobres, Butelbostooni, Memmalia, Butheris, Primates, Catarthini, Meminiada, Homo.

1. (Dames 1 to 24)

1. (Dames 1 to 24)

1. (Bames 1 to 24)

1. (Bames 2. (Malliams, S.R.), Vermass, B.H., Stocké, T., Mooni, K., Mooni, K., Woodliams, C., Mool, J.K., Kitchmer, J.J., Eletr, S., Duffidge, R.B., Burcham, T. and Albrecht, G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Burcham TS
LYNX Therapeutics, Inc.
25861 Industrial Blvd., Hayward, CA 94545, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 7; DB 28; I
100.0%; Pred. No. 2.2e+05;
                                                                                       Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0: Mismatches
                                                                                                                                                                                        Plate: 0534 row: H column: 17
Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'organism="Mus musculus"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        db xref="taxon:10090"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               clone="UUGC1M0534H17"
                                                                                                                                                                                                                                                                                                                     High quality sequence stop: 2
Location/Qualifiers
1. .22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AW059679.1 GI:6652001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sex="Male"
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Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7, Conservative
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PUBMED
COMMENT
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Contact: Robert B. Weise
University of Urah Genome Center
This See, Bitmedita: Polymers Mesearch Bidg., 20 S. 2030 E., SLC, UT
Wes. Job, Bitmedita: Polymers Mesearch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammilia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
11. (bases 1 to 22)
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M., Rose, W., Rose, S., Mahmud, M., Mesnen, E., Pedersen, T., Reil, y
A., Rose, M., Rose, S., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Waiss, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (Jab Louge-W. Coll strain XIII-cold of 1-resistant, P.-I
Alone lib-wouse lobe planned UNGCM librar From M.
Anotes Worders: PROFERY: PERTITES promise DNA from M.
masculus CSTBLAS (masch was obtained from the Jackson
Laboratory Wouse DNA Resource.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
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100.0%; Pred. No. 2.2e+05;
ive 0; Mismatches 0; Indels
                             Bmail: ddunnagenetics.utah.edu
Innert Langth: 1000 Scd Error: 0.00
Plate: 0462 row: J column: 10
Sed primer: GGTTGAAAACGACGCAGT
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                      'organism" Mus musculus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /mol_type="genomic DNA"
/strain="C57BL/63"
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                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
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Best Local Similarity 100.
Matches 7; Conservative
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DEFINITION

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University of Usah Genome Center
University of Utah
University of Utah
1 308 Biomedical Polymers Rosearch Bildg., 20 S. 2030 E., SiC, UT
84112, USA
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/pote="Vector: PMO25Nv; Purified gamonic_DNA From M.
musculus_C57BL/6J (female) was obtained from the Jackson
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| dex="Pemalo"
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/strain="C57BL/6J"
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             Fax: 801 585 7177
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Contact: Rebort B. Weise
Intventy of Utah Genome Center
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The. 306, Blomedical Polymers Research Bldg., 20 S. 2030 B., S.C.
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3 Best Local Smilarity 100.04; Pred: No. 2.1e.05; Length 19;

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Email: ddunnsgenetics.utah.edu
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Tel: 801 585 5606
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the creal score distribution.

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0000000 0000 0 0000 000 00	0000 0000 0	AZ8 AZ8 AZ8 SOUY COM

Mokowel isolated human Phospholipase A2, Group 18 pancreas polymuclectide. for therspectic purposes, for studying expression and function of the polymuclectide and for expressing the phospholipase

Claim 19; Page 13; Slpp; English

protein

The invention retains on an instanced many Propositions are 20, coup II plearrean (PAGAIB polymollocide comprising a sequence which is a polyporphic variant for a reference angement of the AGAIB spon or Its fragment, or a polymorphic variant of a reference sequence for a the Tagging polymorphic variant of a reference sequence for a the Tagging spon of a middividual, independent an appropriate plearing AGAIB spon of an individual, indentifying an association between a tail who are designed to the plearing a polymorphic in the included genotyping oligomiclocide for detecting a polymorphics in the 

Androits seem. "A recombination or commercial as polymers in the hydrogist seem." A recombination or commercial as polymership or protein exceeded by the first man topscale section by the first manner. By the protein exceeded by the first manner, and the protein a polymership or protein a polymership or protein a polymership or protein and the fragment, and the protein and the commercial and the protein and the prote efficacy of Interpentic pagents and conquents in the Alboiquial system. The antibody, is useful for studying the effect of the variation on the Mologlotel activity of EAASD18 as vell is an the binking affility of candidate drugs targeting EAASD18. The PLASD18 as on the binking affility of candidate drugs targeting EAASD18. The PLASD18 gene is located on Chromeomo 1232—4241. In the present sequence is an all-late specific of ligonomic local de (ASD) primer averaging primer; y end used to detect to polymorphisms in PLA2GIB.

Sequence 10 BP; 3 A; 3 C; 0 G; 4 T; 0 other;

99US-0398399

17-SEP-1999;

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ABK47394/c
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                                                                         /notë= "This sequence is a peptide nucleic acid, (i.e. it
contains a polyamide backhone instead of a deoxyribose
backbone"
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treat bacterial and viral infections, has single unite comprising
different amino acid backbones such as aminoethylgiyoine.
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                                                                                                                                                                                                                                                                                      /note = "The base is modified with Lys-NH2"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 7; Page 34; 40pp; English
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/mod base= OTHER
                                            mod base= OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-NOV-2000; 2000DK-0001776.
06-MAR-2001; 2001DK-0000371.
16-JUL-2001; 2001DK-0001117.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nielsen PE, Pueschl A;
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                                                                                                                                                                                modified base
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modified by 100 to 100 
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Human, se; priezer; SNP; single nucleocide polycorphism, pencreatitis; pancreatitis; pancreatitis; pancreatic cancer; Phospholipase A2 groupls; plaA3018; gene therapy, haplocype; ghronomees [245]–244.1; transpenic, gene therapy, A50; allele specific oligonucleocide; prieze extension;

WO200212562-A2.

14-FBB-2002.

Homo sapiens.

Koshy B;

Kazemi A. Kliem SE,

WPI; 2002-303982/34

(GENA-) GENAISSANCE PHARM INC 04-AUG-2000; 2000US-223179P. 06-AUG-2001; 2001WO-US24663.

Human PLA2GlB ASO primer extension primer 3' end #5

(first entry)

L8-JUN-2002

ABK47394;

ABK47394 standard; DNA; 10 BP.

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The juvention measure on a malcies cale array (I) conquisiting at least one hybridisation feature and at least one hedgeoud feature. (I) is useful for descript purposement of a manyle molecule cald in a sample manufact stripper. Medical manyle molecule cald in a sample manufact stripper. Medicalston conditions and tracting the hedgeoud corrected hybridisation signal conditions and tracting the hedgeoud corrected hybridisation conditions. The manufaction of the presence of the analyse water measure cald in the sample manufact strong manufact stripper. On contain a heady cald in a sample manufact strip manufaction contains the sample manufact stripper. On containing the sample manufact stripper of containing the sample manufact stripper. On containing the sample with sample manufact stripper. On containing the sample with sample manufact stripper. On containing the sample with sample manufaction and professional profession profession profession manufact stripper.
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                                                                                                                                                  Sana TR:
                                                                                                                                                                                                                                                                                                                            Claim 8; Page 17; 38pp; English.
                                                                                                                                              Wolber PK,
                                                       (WOLB) DELENSTARR G C.
(WOLB) WOLBER P K.
(SANA/) SANA T R.
                                                                                                                                                                                            WPI; 2002-582474/62.
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                                                                                                                                                  Delenstarr GC.
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Location/Qualifiers
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                                                                                                 99US-0398399.
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Best Local Similarity 100..
                                                                                                                                                                                                                                                                                                              Wolber PK;
                                                                                                                                                                 DELENSTARR G C.
                                                                                                                                                                                  LEFKOWITZ S M.
                                                                                                                                                                                               LUEBKE K J.
OVERMAN L B.
SAMPRAS N M.
SAMPSON J R.
                                                                                                                                                                                                                                                                                                                                                WPI; 2002-443693/47.
                                                                                                                                                                                                                                                               (WOLB/) WOLBER P K.
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                              US2002051973-A1
                                                                                                                                                                                                                                                                                                                                                                                                                             observed signal
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modified_base
                                                                                                                               17-SEP-1999;
                                                                                                                                                                                                                                                                                                 Delenstarr GC,
                                                                                                 .7-SEP-1999;
   Unidentified.
                                                               32-MAY-2002.
                                                                                                                                                                                                                                                                                                                  Sampson JR,
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                                                                                                                                                                                                                                 (SAMP/)
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                                                                                                                                                                                                                                                                                                                                      configuration describes an isolated was executed or configuration of configuration of configuration of the configuration of the configuration of configuration 
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the present invention. AAF33262 to AAF33267 represent linkers and PCR
                                                                                                                                                                                                                                           Yeast gene coding sequences comprising NORF genes with serial analysis of gene expression (SAGS) regs, useful for studying, monitoring and affecting phases of the cell cycle -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    primers used in the SAGE method, in the exemplification of the present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 7; DB 22; Length 10;
100.0%; Pred, No. 5.7e+0%;
cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Probe #3 used to illustrate the method of the invention.
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                                                                                                                                                                              Velculescu V, Vogelstein B, Kinzler K;
                                                                                                                                                                                                                                                                                                           Sxample; Page 272; 419pp; English
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                                                                             14-JUN-2000; 2000WO-US16223.
                                                                                                               99US-0335032
                                                                                                                                             (UYJO ) UNIV JOHNS HOPKINS.
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                                                                                                                                                                                                             WPI; 2001-061874/07.
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es 7; Conserva
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                WO200077214-A2
                                                                                                               16-JUN-1999,
                                               21-DEC-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        invention.
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Best Local 8
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Sampras NM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to a method for detecting the presence and/or
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Luebke KJ, Overman LB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 10 BP; 5 A; 1 C; 2 G; 2 T; 0 other;
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us-09-540-843-7.szlm30.rng

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The present intention describes an isolated by maintain according a confine graduate to the strong of 75 MORF (most previously aspigated open residing frame or no immunicated down great provides and aspigated open residing frame; or no immunicated down great provides as a single of the strong frame of the strong of 75 MORF (most provides as a single of the strong of 75 MORF (most provides as a single of 15 MORF) and a single of 15 MORF (most provides as a single of 15 MORF) and a single of 15 MORF (most provides as a single of 15 MORF) and a single of 15 MORF (most provides as a single of 15 MORF) and a single of 15 MORF (most provides as a single of 15 MORF) and a single of 15 MORF (most provides as a single of 15 MORF) and a single of 15 MORF (most provides as a single of 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides of 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (most provides on 15 MORF) and a single of 15 MORF (mos
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                Yeast gene coding sequences comprising NORF genes with serial analysis
of gene expression (SAGB) tags, useful for studying, monitoring and
affecting phases of the cell cycle .
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                                                                                                                                                                                                                                                                                                                Velculescu V, Vogelstein B, Kinzler K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example; Page 233; 419pp; English.
                                                                   14-JUN-2000; 2000WO-US16223.
                                                                                                                                               16-JUN-1999; 99US-0335032.
                                                                                                                                                                                                                                    (UYJO ) UNIV JOHNS HOPKINS
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Best Local Similarity 100..
                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-061874/07.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   the present intensition describes an isolated any matterial computation of colding sequence of a yeast game selected from a providently amendment of the properties of the providently amendment as with great those separation varies by at propression of the yeast great is connected as sets inhabitors with a manufactual for the yeast great is a connection as sets inhabitors with a propression of the yeast great as a candidate and without a connection of the yeast great as a candidate and with the propression of the yeast great a candidate and the propression of the yeast great as a candidate and with the propression of the yeast great as a candidate and the propression of the yeast great as a candidate and the propression of the yeast great as a candidate and the propression of the yeast great as a candidate and the propression of the yeast great as a candidate and the propression of the yeast great as a candidate and the propression of the part of of the part
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                                                                                                                                                                                                                                                                                                       Yeast gene coding sequences comprising NORF genes with serial analysis of gene expression (SAGS) tags, useful for studying, monitoring and Affecting phases of the cell cycle -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           O; Gabs
Welculectu V, Vogelstein B, Kinler K;

Velculectu V, Vogelstein B, Kinler K;

Velculectu V, Vogelstein B, Kinler K;

Namer Gene coding sequence comprising bold genes with sarial a site of gene expression (abdit by man and a site of the said of th
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o; Gabs
100.0%; Score 7; DB 22; Length 10; 100.0%; Pred. No. 5.7e+04;
                                       0; Indels
                                       0, Mismatches
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AAF40876 standard; DNA; 10 BP.
                                  23-MAR-2001 (first entry)
                        AAP40876;
RESULT 11
                             X5X8X444X8X
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Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
                                                                                                                                              nor previously assigned open reading frame; nonamiotated ORF; SAGE; serial analysis of gene expression; antifungal; tag; identification;
Yeast NORF gene SAGE tag oligonuclectide SEQ ID NO:7615.
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Yeast; Saccharomyces cerevisias; characterisation; cell cycle; NORP; nor previously sasigned open reading frame, norannorated ORF; SAGB; serial analysis of gene expression; antifungal; tag; dentification;

Saccharomyces cerevisiae. linker; PCR primer; ds. WO200077214-A2 21-DEC-2000.

Yeast NORF gene SAGE tag oligonuclectide SEQ ID NO:6532.

AAF39793 Standard: DNA: 10 BP 23-MAR-2001 (first entry)

RESULT 10 AAP39793 AAF39793;

Saccharomyces cerevisiae linker, PCR primer, ds.

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encoding AAB98009, which are given in the exemplification of the present invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 feast NORF gene SAGE tag oligonucleotide SEQ ID NO:5675.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 10 BP; 4 A; 0 C; 4 G; 2 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linker; PCR primer;
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                                                                                                                                                                                          JP2001069993-A.
                                                                                                                                                                                                                                                                                                                                   08-JUL-1999;
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                                                                                                                                              Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Isolated polymucleotides differentially expressed between metastatic and non-metastatic breast cancer cells, useful for diagnosis, prevention and treatment of cancer.
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                   Human, metaatatic breast tumour tissue; breast cancer; tag; primer; non-metastatic breast tumour tissue; gene therapy; anticancer; antimetastatic y vaccine; diaqnosis; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Page 208; 219pp; English.
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                                                                                                                                                                                                                                                                                                                              98US-0089997.
98US-0090039.
98US-0090040.
98US-0090041.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Roberts BL, Shankara S;
                                                                                                                                                                                                                                                                                                                                                                                                                                          (GENZ ) GENZYME CORP.
(ROBE/) ROBERTS B L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4PI; 2000-106079/09.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SHAN/) SHANKARA S.
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19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
                                                                                                           Homo sapiens
                                                                                                                                                            W09965928-A2
                                                                                                                                                                                                                                                         18-JUN-1999;
                                                                                                                                                                                                             23-DEC-1999.
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ID AAH3
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RESULT 8

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Gaps

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0; Indels

0; Mismatches

100.0%; Score 7; DB 22; Length 10; 100.0%; Pred. No. 5.7e+04;

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The present invention describes an injury-insecting (14%) activated mann scorpty to appread to appropriate their (14%) activated mann scorpty to appread to appread to a secure of their score of their s
                                                                                                                                                                                                                      Human, LPS, lipopolysaccharide; monocyte expression gene; tag; EST; expressed sequence tag; diagnosis; human disease; treatment; Bs.
LPS activated human monocyte expression gene cDNA tag SEQ:133.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 10; Page 28; 52pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-APR-2000; 2000JP-0131079
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Isolated polynucleorides differentially expressed in antigen-presenting cells, useful in gene vaccines against cancer -
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1, Page 105, 130pp, English.
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         98US-0090076.
98US-0090077.
98US-0090078.
98US-0090080.
98US-0111715.
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Matches 7, Conservative
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                                                                                                                                                                         GENZYME CORP.
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                                                                                                                                                                                                                          SHAN/) SHANKARA S.
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    be publishy, resulting in transient arrent of cell process, allowing more time for DBA properties of cell process, allowing more time for DBA properties of the cell process, and a proposally used to treat order processing or transient and a properties of the cell process. The cell process of the cell process of the cell properties of the cell process of the cell properties of the cell process of the cell process of the cell produced of the cell process of
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APC; monocyte-derived dendritic cell; differential gene expression;
finamnostimulatory cofactor; costimulatory factor; CTL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cytotoxic T-lymphocyte; tumour antigen; immunotherapy; anticancer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 7; DB 23; Length 9; 100.0%; Pred. No. 2.96+08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
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Length 10; 0; Indels

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The invention describes inclination of manalism opinibilism.

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Length 7;
                                             100.0%; Score 7; DB 23;
100.0%; Pred. No. 3.7e+08;
Sequence 7 BP; 3 A; 0 C; 2 G; 2 T; 0 other;
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Gaps O, Indels 0; Mismatches

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AAZ10692 standard, DNA, 9 BP.

Oligonucleotide sequence that increases p53 activity in a cell.

W-induced hypetproliferative disease; psoriasis; vitiligo; topic dermatitis; allergic rhinitis; conjunctivitis; photoaging; skin cancer; ss. p53 activity, UV mimetic, UV-irradiation, UV-induced dermatosis,

99GB-0006758. 24-MAR-1999; 13-OCT-1999.

Sller M; Gilchrest BA, Yaar M, (UYBO-) UNIV BOSTON,

98US-0048927

26-MAR-1998;

DNA fragments useful for increasing p53 activity in a cell and reducing susceptibility to UV-induced hyperproliferative diseases -4PI; 1999-543520/46

Claim 11; Page 29; 44pp; English.

AA210692-97 represent DNA fragments that are used for increasing p53

entitivity in each! The Oligomolecules are are by manetics and proceed calls against subsequent exposure to Un-traditation or chemicals. The Oligomorpolecules are usuall for increasing pp3 activity in cell, reducing the maneptibility to Un-induced hypompoliterative diseases, treating portates, withings, explained hypompoliterative finitisis, conjunctivitie, and Un-induced dorastones, reducing photosups and reducing susceptibility to skin cancer. 888888888

Length 9, Indels ö 100.0%; Score 7; DB 20; I 100.0%; Pred. No. 2.9e+08; Sequence 9 BP, 3 A, 0 C, 4 G, 2 T, 0 other; Mismatches ö Conservative Query Match Best Local Similarity Matches 7; Conserv

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ò a AAS14905 standard; DNA; 9 BP AAS14905;

RESULT 5 AAS14905

Melanogenesis associated oligonucleotide #1. 14-FEB-2002 (first entry)

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We health, machagodic olidager; pyconteric anti-alizacje; pSi, anti-inflammatory dermelogical; opthemismological; and specialization anti-perciatio; immunospecialization to opthemismological; and specialization inflammatory appropriate tumour mecrosis factor inhibitor; photosoging; hypotholiferative disease, anticinan, additive press pint anomora, alleryy mediated inflammation; conjunctivities allergic thinkis; vitiligo; me.

Location/Qualifiers Key modified\_base

Synthetic.

14686888888888

/mod\_base= g /mote= "Optionally phosphorylated" \*tag=

WO200174342-A2

30-MAR-2001; 2001WO-US10162. 11-0CT-2001

31-MAR-2000; 2000US-0540843 (UYBO-) UNIV BOSTON Eller M. Yaar M, WPI; 2001-626338/72. Gilchrest BA,

Inhibiting proliferation of epithelial cells, useful e.g. for treating astribnoms, using specific oligonucleotides that mimic the effects of intra-violet lidte.

Claim 1, Page 36, 74pp, English. 

The invention describe inhibition of mamminism spinishing call profiteration by retaring calls with at least one oligomolecties, or the frequency density density of the water profiteration of the profiteration of the manual profiteration of the manual calls and the manual calls and

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                    DNA fragments useful for increasing p53 activity in a cell and reducing susceptibility to UV-induced hyperproliferative diseases -
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ABV63414 ABV63589 ABV64829 ABV65437 ABV66035 ABV68444 ABV70835 ABV71010 ABQ86727 AAV40922 AAX19080 ABH67740

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ABH71445 ABH71785 ABH74658 ABH74660 ABH78137 ABH78137 ABH68353 ABH70774

ABH71335

Pred. No. is the number of results predicted by chance to have a core greater than or equal to the score of the result being printed, and is derived by analysis of the cotal score distribution.

SUMMARIES

Result		Query				
No.	Score	Match	Match Length DB ID	DB	QI	Description
			-	ĺ		
-	7	100.0	7	50	AA210694	Oligonucleotide
23	7	100.0	7	23	AAS14907	Melanogenesis as
9	7	100.0	7	23	AAS14911	Melanogenesis as
4	7	100.0	σ	20	AAZ10692	Oliannicleoride
2	7	100.0	o	23	AAS14905	Melanogenesis as
9	7	100.0	70	21	AAZ78995	Human dendritic
4	7	100.0	10	21	AA286425	Metastatic breas
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ALIGNMENTS

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p53 activity, UV mimetic, UV-irradiation, UV-induced dermatosis, UV-induced hyperpoliferative disease, psortasis, vitiligo, artopic dermatitis, allergic rhinitis, conjunctivitis, photoaging, skin cancer, ss. y in a cell.

99GB-0006758 24-MAR-1999; GB2336157-A. 13-0CT-1999. Synthetic.

Eller M; 98US-0048927 Gilchrest BA, Yaar M, (UYBO-) UNIV BOSTON. 26-MAR-1998; \*\*\*\*\*\*\*\*\*\*\*\*\*\*

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WPI; 1999-543520/46

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Db 4 GTATG 8	RESULT 12 AGESSOT AGGSSOT SECTION PLANT LINEAR PAT 26-MR-2003 DEPARTOR AGGSSOT 255 from Patent WOD43459. ACCESSOT AGGSSOT 1 C1.2003130		OCKNAL Patent: NO 0242454 Z256 3002; FPATHORS SANGARGED INC. (US) FPATHORS  Location/Qualifiers  FOURTS  1. 09	/ Addahram * Prime it a document * / Addahram * A	ORIGIN ORIGINATION TOO.OM; SECRE 5; DB 6; Langth 9; Secre 5; DB 6; Langth 9; Secre 5; DB 6; Langth 9; Secre 5; ORIGINATION OF A SECRET OR 5; COMMENTATIVE 0; Manageths 5; COMMENTATIVE 0; Manageths 5; Tooks 0; Gaps 0;	0y 173875 5 Db 4 GTM70 8	RESULT 13 CACCAS SSGSSS SSSSS SSSSS SSGSSS SSGSSS SSGSSS SSGSSS SSSSS SSSSS SSSSS SSSSS SSSSS SSSSS SSSS	×	REFERENCE - (Tease ). Log one-channel A. Companison, Companison, C. D. A.	JOURNAL J. SIGO: Chem. Sed 6 (24), 15606-1661 (1991) WENDLINE 31906: Chem. Sed 6 (24), 15606-1661 (1991) WENDLINE 31906: Chem. Sed 6 (24), 15606-1661 (1991) WENDLINE 31906: Chem. Sed 6 (24), 15606-1661 (1991)	centry [NC This sequ	/mol_rype noon /db_xref="taxon:9606" 1. 9 /gene="type I procollagen"	BASE COUNT 1 a 3 c 2 g 3 t ORIGINA 100 Ab. Convert 6. 700 0. Learth 0.	Similarity 100.0%; Source 7, DE 7, D
Best Local Similarity 100.04; Pred. No. 4.5e+09; Matchee 5; Conservative 0; Mismatchee 0; Indels 0; Gaps 0;	1 GTATG 5        3 GTATG 7	A8657174/C LOCUS A8667174 A866	ATTITION OF JULY OF THE PERSON		//grain ass   grained construct     //grain ass   grained construct     //grain ass   grained construct     //grain ass   //grained construct     //grained construct   //grained construct     //grained co	On Anna March 100,04; Scope 5; DB 6; Length 9; Onent Local Smallarity 100,04; Perch 04, 45-64; Onent Local Smallarity 100,04; Perch 04, 45-64; Onenthen 5; Connervative 0; Himarches 0; Indein 0; Gaps 0;	1 GRNG 5 1 GRNG 5 6 GRNG 2 6 GRNG 2	**************************************		ATTIONS DAILO. TITLE position dependent recognition of gnn nucleotide triplets by zinc JOURNAL RESENT: NO 0242459-N, 2220, 30-NAY-2002;	PEATURES Sangame statement in (No.)  BOUTCE L'OSTAILERES L'OSTAILERES L'OSTAILERES L'OSTAILERES L'OSTAILERES L'OSTAILERES L'OSTAILERES L'ORGENTANT D'ANNO L'ORGENTANT L'ORGENTANT SAN ON MAN CONTRACT L'ARGONTANT SAN ON MAN	BASE COUNT 2 A O C 4 9 3 t	Query March act, 100.04; Score 5; DB 6; Length 9; Reet Local Stmitztty 100.04; Pred. No. 4.5e+09; Indels 0; Gaps 0; Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	9y 1 GRANG 5

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Query Match

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAZ10696 standard; DNA; 5 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          99GB-0006758.
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100.0%; Score 5; DB 20; Length 5;

Sequence 5 BP; 2 A; 2 C; 0 G; 1 T; 0 other;

Query Match

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The invention describes inhight on of washing negligible, or proliferation by reacting calls with the operation of the house of control of the control of th
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Melanin, melanogenic; oligomer; oytostatic, anti-allergic; p53, anti-tillergic; p53, anti-tillergic; p53, descological; ophthalmological; anti-poortatic; imminostressive; NGR repair; proliferation inhibitor; apoptosis; amount mercasis factor; inhibitor; photosigning; hyperproliferative disease; carrithoms; oxidative stress; shin cancer; allergy endited inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Inhibiting proliferation of epithelial cells, useful e.g. for treating carcinoma, using specific oligonucleotides that mimic the effects of ultra-violet lint.
                         Gaps
                         ö
                         Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           conjunctivitis, allergic rhinitis; vitiligo; ss.
                                                                                                                                                                                                                                                                                                                                                                                                          Melanogenesis associated oligonucleotide #4.
                         0. Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eller M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; Page 36; 74pp; English.
                                                                                                                                                                                                                                                    AAS14908 standard; DNA; 5 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30-MAR-2001; 2001WO-US10162.
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                                                                                                                                                                                                                                                                                                                                                      (first entry)
                         5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bilchrest BA, Yaar M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4PI, 2001-626338/72.
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Best Local Similarity
                                                                        1 GTATG 5
                                                                                                                       GTATG 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    synthetic.
                                                                                                                                                                                                                                                                                                  AAS14908;
                         Matches
                                                                                                                                                                                                     RESULT 3
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AMINGATY represent OAK fragments that we used to intressing 53 activity in a cell. The oligomichacides are are UV missics and proposed cells against embedgent supervise to UV-risation and the cells against embedgent supervise to UV-risation and the cells against embedgent supervise to UV-risation and the cells against except and the cell UV-risation and the cells against remaining persons are the cell UV-risation and the cells are cells are cells and the cells are cells and the cells are cells are cells and the cells are cells are cells and the cells are cells a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           p53 activity, UV mimetic, UV-irradiation, UV-induced dermatosis, UV-induced hyperproliferative disease, pactasis, valiligo, acopic dermatitis, allesgic rhinitis, conjunctivitis, photoaging;
                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Oligonucleotide sequence that increases p53 activity in a cell.
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                                                                                                                                                                                                   Length 5;
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                                                                                                                                                                                         100.0%; Score S; DB 23; L
100.0%; Pred. No. 5.26*08;
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100.0%; Pred. No. 3.7e+08;
                                                                                                      Sequence 5 BP; 2 A; 2 C; 0 G; 1 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 7 BP; 3 A; 0 C; 2 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                             0; Mismatches
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                  described in the method of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ō
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAZ10694 Standard; DNA; 7 BP.
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                                                                                                                                                                                                                                                                                      5; Conservative
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                                                                                                                                                                                         Query Match
Best Local Similarity
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Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                          1 GTATG 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAZ10694;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 5
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Proliferation by treating only a than a least one oligomorphise in the fragment of the fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Wakatin, malamongenic, oligomer, oyrostatic, anti-allargic, pS3, anti-inflamancogien, oligomer, oyrostatic, anti-inflamancogien, demancogien, demancogien, demancogien, or medical popularior, appropriation inflaming ministror, approach assembly manual medical factor inflaming hypotropic photograpia phypotropic factor demancies carried ministroms, oxidative stress; pixin cancer; allargy medical inflamantion.
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                                                                                                                                                                                         Gapa
                                                                                                                                                                                         .
                                                                                                      Length 5;
                                                                                                                                                                                0; Indels
                                              Similarity 100.0%; Score 5; DB 23; L Similarity 100.0%; Pred. No. 5, 2e+08; 5; Conservative 0; Mismark-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      conjunctivitis; allergic rhinitis; vitiligo: ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Melanogenesis associated oligonucleotide #6.
Sequence 5 BP, 1 A, 0 C, 2 G, 2 T; 0 other,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eller M:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; Page 36; 74pp; English.
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                                                                                                                                  Best Local Similarity
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                                                                                            Query Match
                                                                                                                                                                                Matches
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2**Coned from 09980559466705719727044**88888888888888888

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AAS14911 standard; DNA; 7 BP

AAS14911;

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Mechanium, autopomotic olidomer; percenteric mari-altegic; pS3), mati-infilamentory; detranelogical; optimalmological; anti-perciatic; imamemopspositativ gobilamentory; detranelogical; optimalmological; anti-perciatic; appropriatic imamemopspositativ gobilamentory in proceedings in proceedings; prepare of appropriate transcriptions, orderings, and proceedings; physical ferestive disease; anticinament six disease, alternative allergy mediated inflammation; conjunctivities, allergy entities; vittilego; se.
                                                                                   Melanogenesis associated oligonucleotide #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eller M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-MAR-2001; 2001WO-US10162.
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14-FEB-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Yaar M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (UYBO-) UNIV BOSTON,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-626338/72.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
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Inhibiting proliferation of epithelial cells, useful e.g. for treating carcinoma, using specific oligonuclectides that mimic the effects of lutre-viole; lidth: -

Claim 1: Page 36: 74pp: English.

The invention describes included the control of the projector of the projector of the control of "oligomolecidedes that consist non-hydrograble backones ses used to inhibit appriess; a response to DNA damage, in equitabilist oll. This esquence is ambinospuents; associated oll gomonicacides is a truncated variation of the oligomolecides is a truncated variation of the oligomolecides in this mannal and profession of the oligomolecides and to inhibit memoral and prisonical call problems to the method of the invention.

Sequence 7 BP; 3 A; 0 C; 2 G; 2 T; 0 other;

Query Match 100.0%; Score 5; DB 23; Length 7; Seaf Local Similarity 100.0%; Pred. No. 3.7e-08; Atches 5; Conservative 0; Mismatches 0; Indels (atches 5; Conservative 0) Query Match

Gaps 6

> GTATG 6 1 GTATG 5

RESULT 7

whealthis measurements of interest cyclestic anti-alteractic pSS, anti-sirflamentory, dermetological, ophthalmological, anti-procisatic, immunosupposative, DNR especially politically profitted that interest appopriate tumour necrosis fector inhibitor; photosoping; hyperpositic active of disease, next cinema, politic anti-sir psic nacera fallengy mediated inflammation; conjunctivities, allengy especial conjunctivities allengy chinitis; vitilingo, se. Inhibiting proliferation of epithelial cells, useful e.g. for treating carcinoms, using specific oligonucleotides that mimic the effects of ultra-violet lidht. The invention describes inhibition of mammalian epithelial cell Melanogenesis associated oligonucleotide #7. 'note = "Phosphorylated" Location/Qualifiers Claim 1; Page 38; 74pp; English /\*tag= a /mod\_base= a 30-MAR-2001; 2001WO-US10162. 31-MAR-2000; 2000US-0540843. 14-FEB-2002 (first entry) Bilchrest BA, Yaar M, (UYBO-) UNIV BOSTON 4PI; 2001-626338/72 40200174342-A2 nodified base 11-OCT-2001 Synthetic 

Eller M;

The lightening of Sections and Allen to the section and Allen to cold, or the lightening of Sections and Allen to the section and Allen to the sec proliferation, described in the method of the invention

Seguence 7 BP; 3 A; 0 C; 2 G; 2 T; 0 other;

100.0%; Score 5; DB 23; Length 7; 100.0%; Pred. No. 3.7e+08; Query Match Best Local Similarity

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The present requence represents a processor explanatory element, consider the control of the investion. From any from a refer or or are stained or influent of the investion. From any from a refer or or are stained or influent or calliar response presente megalities with transcriction. The urrow is able to suppress constitutive and could be used to suppress the pass processes of which constitutive and could be used to suppress the pass processes of which constitutions is talked sequence smeller that the new processes of which constitutions and the suppression in a unbidget, e.g. a human or a call in vittor. Beginner, I. This Rully open capes and the last of the could be used to the investment of the could be used to the could be use
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useful to suppress expression from promoter of interest.
specifically TSU motletc acid suppression of MHC Class I and II gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps

    untranslated region, UTR, inhibition, gene expression, ICMM-7;
interferon-gamma; TR-gamma; major histocompatibility complex; MHC;
antigen expression; gene promoter; utron, B7-1; B7-2; Fc gamma R;

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A promoter regulatory motif found in the utrons of the invention.
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       Length 8;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HIV gene expression; transplant rejection; treatment; autoimmune disease; inflammatory disease; ss.
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60.0%; Pred. No. 2.98+08;
Mismatches 0;
       Query Match 100.0%; Score 5; DB 22; I Best Local Similarity 100.0%; Pred. No. 3.2e-08; Matches 5; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                  AAV22350 standard; RNA; 9 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        97NO-US09459.
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Best Local Similarity 60.0
Matches 3; Conservative
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                                                                                                                                                 1 GTATG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sleeping Baauty, SB; AGSBIO; ademovirus; transpoasse;
on-integrating viral vector; cycoesacts; anti-dabacis; cardiant;
neuroprocective; genetic disease; gene therapy; charapy; cancer;
pages in through diabaces; contidovesular diseases; bash malitumetion;
genome analysis; chemoforapy; transpent once til; direct repeat; di
       Gabs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Direct repeat sequence that binds to SB protein.
0; Migmatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BAYLOR COLLEGE MEDICINE.
MCIVOR R S.
                                                                                                                                                                                                                                                                                                                  AAD02250 standard: DNA: 8 BP.
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5; Conservative
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                                                                        1 GTATG 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28-MAR-2001
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(MCIV/)
(HACK/)
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Matches
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AAV22283

AAV15899 standard; DNA; 9 BP.

PAV15899

inferferon-gamea, IFF-gamma, major histocompatibility complex; MGC, angen expression, gene promoter; class i, class II; FRR signalling; GAS: ISRE, interteukin-response telement; gene expression ICRA-7; IFF-3; FG genem R: III GORG gene expression; transplant rejection; Eventent; autochemune disease; infilammatory disease; ss. Trophoblast STAT utron; TSU; 3' untranslated region; UTR; inhibition; GAS complement gene promoter motif found in a trophoblast STAT utron. Utrons, RNA molecules containing promoter regulatory motifs -uneful to suppress express expression from promoter of interestuneful TGU nucloic acid suppression of MIC Class I and II gene Claim 22, Page 90; 200pp, English. AAV22283 standard; DNA; 9 BP 97WO-US09459. 96US-0646789. 29-JUN-1998 (first entry) WPI; 1998-018505/02. (UYYA ) UNIV YALE. 21-MAY-1996; Unidentified WO9744450-A1 21-MAY-1997; 27-NOV-1997 expression Peyman JA; AAV22283:

The present sequence represents a GAS complement game promoter motif found to trophoblast STAT urron [701, TSUs he isolated from a CDNA library prepared from a KASA isolated from trophoblast cells. Utrons are

There of a tell bookspous to the "but "untransised region" in This, off an aban that estimates or inhibits a collidar response by sequence specific the statement of the stateme e. g. action of STAT1-6, or a cytokine.

## Sequence 9 BP; 3 A; 0 C; 3 G; 3 T; 0 other;

Gaps ô 100.0%; Score 5; DB 19; Length 9; 100.0%; Pred. No. 2.9e+08; iive 0; Mismatches 0; Indels 100.001 Set Local Similarity 100. Satches 5; Conservative Query Match Matches

GTATG 5 1 GTATG 5

RESULT 11

The sia a source consense sequence of a cyclin D transcriptor factor of this is a conserved consense sequence of a cyclin D transcriptor factor of the sequence of the cycling attituty for a presidence of the cycling attitute o cyclin D transcription factor; binding affinity; D-type cyclin; probe; cell cycle inhibitor; tumour; detection; cancer; DMP1; competitor; Cyclin D transcription factor and related DNA - can be used to develop products for treatment of, e.g. cancer Cyclin D transcription factor DMP1 nonamer consensus sequence. (SJUD-) ST JUDE CHILDREN'S RES HOSPITAL. Claim 3, Page 99, 120pp; English nonamer consensus sequence; ss. Hiral H, Inoue K, Sherr CJ; 97WO-US08480 97US-0017815 96US-0017815 96US-0648837 26-MAY-1998 (first entry) WPI; 1998-008884/01. Mus musculus. Homo sapiens. W09743415-AL 16-MAY-1997; 15-MAY-1997; 16-MAY-1996; 20-NOV-1997. AAV15899; 

Sequence 9 BP; 1 A; 3 C; 2 G; 3 T; 0 other; dysproliferative cells.

ö 100.0%; Score 5; DB 19; Length 9; 100.0%; Pred. No. 2.9e+08; tive 0; Mismatcheo 0; Indels Query Match 100.1 Best Local Similarity 100.1 Matches 5; Conservative

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Gaps

1 GTATG 5

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RESULT 12

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The invention describes inhighton of sameline optimish of each of projection of the 
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/note= "Optionally phosphorylated"
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100.04; Score 5; DB 23; L
Beet Local Similarity 100.04; Pred. No. 2.9e+08;
Conservative 0; Mismatches 0;
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        Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; Page 36; 74pp; English.
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                                                                                       /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Yaar M,
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        Key
modified_base
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lemanouppessative; UNA repair proliferation inhibitor; apoptosal; 
tumour merconsi factor inhibitor; photosquisy, hypotroliferative disease; 
tumour merconsis factor inhibitor; photosquisy, hypotroliferative disease; 
conjunctivitis allergic thinitis, vitiligo; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AABLOGAT Propresent Out Engement what he would not increasing 55 accepting in a cell. The Oilgounchocides are set by stantice and proper or call against manabequent would wear the wear the triple in a cell. The Oilgounchocides are the Windhestian or triple in a cell. The oil against manabequent to Universitation or triple in a cell. The cell and the acceptance of the cell and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA fragments useful for increasing p53 activity in a cell and reducing susceptibility to UV-induced hyperproliferative diseases -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                UV-induced hyperproliferative disease; psoriasis; vitiligo;
atopic dermatitis, allergic rhinitis; conjunctivitis; photoaging;
Skin cancer; as.
                                                                                                                                                                                                                                                                                                                                    553 activity, UV mimetic, UV-irradiation, UV-induced dermatosis,
                                                                                                                                                                                                                                                     Oligonucleotide sequence that increases p53 activity in a cell.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 5; DB 20; Length 9; 100.0%; Pred. No. 2.98+08;
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in the exemplification of the present invention
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Length 9; 0; Indels Query Match
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Best Local Similarity 100.0%; Pred. No. 2.98+08;
Best Local Similarity 0.0.0%; Pred. No. 2.98+08;

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1 GTATG 5

Search completed: December 31, 2003, 15:08:14 Job time : 145.494 secs

Zinc finger protein related oligonucleotide target SEQ ID NO:623.

Zinc finger protein; ZFP; DNA binding protein; zinc finger; 88.

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n Ltd.		; Search time 574.494 Seconds (without alignments) 211.530 Million cell updates/s					33330																					
GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd.	- nucleic search, using sw model	December 31, 2003, 13:58:09; Search (without:	US-09-540-843-4	1 gratg 5	IDENTITY NUC Gapop 10.0 , Gapext 1.0	22781392 segs, 12152238056 residues	notal number of hits satisfying chosen parameters:	length: 0 length: 30	Minimum Match Maximum Match	Listing first 45 summaries	* !	1: em_estba:* 2: em_esthum:*	e	4: em_estmu:*	6: em_estpl:•	7: em estro:*		10: gb_est2:*	12: qb est3:*	13: gb_est4:*	14: gb_est5:*			18: em gss inv:*		21: em_ges_fun:*		24: em_gss_pro:*
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RESULT 1 BM398220/c LOCUS	DEFINITION	ACCESSION	KEYWORDS	SOURCE	ORGANISM			REPERENCE

The state of the s	CE 1 (bases 1 to 14)	RS Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel	J. and Klobutcher, L.	EST from Tetrahymena thermophila, strain CU428.1, growing cells	AL Unpublished		Molecular Genetics and Cell Biology	University of Chicago	and in road or near Objects to cools not
	REPERENCE 1	AUTHORS T	•	TITLE	JOURNAL UA	COMMENT	ź	5	ď

<sup>920</sup> E. Seth Street, Chicago, IL 60637, USA TRE: 773 702 4374 Pax: 773 702 4374 Basil: apturkew@midway.uchicago.edu Seq primer: T? Localfon/Qualifiers

organism="Tetrahymena thermophila"

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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Raall: cgapbe-remail.ndl: gov
Tisaue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld M.D.,
                                                                                                          /db_xreis="caron:591,"
/clone_lib=Chilcos=7.pr/kewitz_CDNA (large fraction)"
/clone_lib=Chilcos=7.pr/kewitz_CDNA (large fraction)"
/noce="vector: BlueScriptz_SR+; Details on library
preparaction can be cond in Chilcose and Turkewitz (2001)
Proc. Natl. Acad. Sci USN, 98: 8709-8713."
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Mammalia; Butheria; Primates; Catarthini; Hominidae; Homo.
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WC/MING-CARP http://www.ncbi.nlm.nih.gov/ncicgap.
Wc/Ming-Carb http://www.ncbi.nlm.nih.gov/ncicgap.
Wational cancer innerture / National Institute of Weurological
Discreter and Stroke, Esain Thunor Genome Anatomy Project
(CGAP/BTGAP), Tumor Gene Index
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Seg primer: -40UP from Gibco
High quality sequence stop: 1.
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"mol_type="mRNA"
/strain="CU428.1"
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Homo sapiens
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Best Local Similarity
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RESULT 4 A1721735/c LOCUS DEFINITION

ACCESION VERSION KEYWORDS SOURCE ORGANISM

ORIGIN

COMPTOTAL TRACEDED CTOILE: STILLTGILD OIL WIGHT SCHOOL
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source

BASE COUNT

TITLE

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/mol_type="mRNA"
/culTivar="KMS2320 (double haploid, monogerm breeding line
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Mammalia, Butheria, Primates; Catarrhini, Hominidae, Homo.
1. (Dassa: 1 to 17)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 5; DB 13; Length 17; 100.0%; Pred. No. 1.8e+06;
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                          'organism="Beta vulgaris"
                                                                                                                                                                                                                                                                       /db_xref="GABI:191174"
/db_xref="taxon:161934"
                                                                                                                                                                                                                                                                                                                                                                                                          'clone="024-022-H17"
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E012692-024-022-H17-SP6 MPIZ-ADIS-024-developing root Beta vulgaris
                                                                                                                                                                          Kumar, S., Connor, J. R., Dodda, R.A., Halsey, W., Van Horn, M., Mao, J., Sable, G., Mui, P., Agarwal, P., Badger, A. M., Lee, J.C., Gowen, M. and Lafk, M. W.
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo. 1. (Bases 1 to 17)
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709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406, USA
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Fax: 610-270-5598
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This clone is available royalty-free through LiAN.; contact the
NAMAG Consortium (info@mage.llnl.gov) for further information.
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**Tourkeritz.A.P.**, Karret, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel

J. and Klobuccher, L.

Tron Tetrahymena thermophila, strain CW428.1, growing cells

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920 B. 58th Street, Chicago, IL 60637, USA
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Email: apturkew@midway.uchicago.edu
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Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
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This clone is avallable royalty.free through LAML; contact the
NAMGE Consortium (info@image.llnl.gov) for further information.
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linet Lenghi. 1000 Std Error: 0.00
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Fax: 801 585 7177
Email: ddunn@gepet
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Fax: 801 585 7177
Email: ddunm@genetics.utah.edu
Email: ddunm@genetics.utah.edu
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Search completed: December 31, 2003, 19:41:20 Job time : 578.494 secs

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Query Match 100.04; Score 5; DB 15; Length 5; Beter Local Similarity 100.04; Pred. No. 6.7+08; Matches 5; Conservative 0; Mismatches 0; Indels Matches 5; Conservative 0; Mismatches 0; Indels
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100.0%; Score 5; DB 15; Length 5;
Best Local Similarity 100.0%; Pred. No. 6.79-69;
Matches 5; Conservative 0; Mismatches 0; Indels
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TITLE OF INVENTION: Oligonucleotides
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PRIOR PLIANG DATE: 2000-04-20
PRIOR APLILAGO NUMBER: 05 60/193,483
PRIOR APLILAGO NUMBER: 05 60/193,483
PRIOR PLIANG DATE: 30000-01-29 60/195,18
PRIOR PLIANG DATE: 30000-11-2 60/195,18
PRIOR PLIANG DATE: 30000-11-2 60/195,18
PRIOR PLIANG NUMBER: 199-11-2 60/16-3,69
PRIOR PLIANG NUMBER: 199-11-2 60/16-3,69
PRIOR PRILAGO NUMBER: 199-11-2 60/16-3,69
PRIOR PRILAGO NUMBER: 199-11-2 60/16-3,69
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CURRENT APPLICATION NUMBER: US/10/122,633
CURRENT FILING DATE: 2002-04-12
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 6
LENGTH: 5
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SOFTWARE: PastSEQ for Windows Version 4.0
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PRIOR PLILING DATE: 2000-03.3
PRIOR APPLICATION NUMBER: PCT/US01/10162
PRIOR FILING DATE: 2001-03-30
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Publication No. US20030204075A9
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PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
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Publication No. US20030032611A1
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APPLICANT: Eller, Mark S.
APPLICANT: Yaar, Mins
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Best Local Similarity 100.0%; Pred; No. 4.8e+08;
Matches 5; Conservative 0; Mismatches 0;
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SOFTWARE: RestSEQ for Windows Version 4.0
SEQ ID NO 178029
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SOFTWARE: PastSEQ for Windows Version 4.0
                                                       PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILLING DIRE: 1999-11.23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR PLILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR PLILING DATE: 1999-08-09
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GENERAL INFORMATION:
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PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
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PRIOR FILING DATE: 2000-03-29
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Publication No. US20030032610A1
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                      FILING DATE: 2000-02-24
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US-10-027-632-178029
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LENGTH: 7
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THE OF INVESTOR'S Identification and Mapping of Single Nucleotide
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GREENF FILLS DAVIE: 2000-104-10
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PRODE PRINCENCE NUMBER 108 66/213 006
PRODE PRINCENCE NUMBER 108 66/213 69
PRODE PRINCENCE NUMBER 108 66/213 48)
PRODE PRINCENCE NUMBER 108 66/213 48)
PRODE PRINCENCE NUMBER 108 66/213 58
PRODE PRINCENCE NUMBER 108 66/21 58
PRINCENCE NUMBER 108 66/2
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GENERAL INFORMATION:
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Best Local Similarity
Matches 5; Conserv
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                                                       ; TYPE: DNA
; ORGANISM: Human
US-10-027-632-178029
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SEQ ID NO 178043
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Bartionn: Bitter Mark B.
APRICONN: Vair Mas A.
APRICONN: Vair Mas I.
TITLE OF INPERTION: All Colonical Country of THE STREEMEN; Colonical Colonical Country Britist Professions (1994) (1986-10); CORRENT FILING DAYS. 1005-104.1088-10); CORRENT FILING DAYS.
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llarity 100.0%; Pred, No. 4.8e+08;
Conservative 0; Mismatches 0;
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US-10-122-633-3
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PRIOR PILING DATE 2000-03-31
PRIOR APPLICATION NUMBER: PCT/USOI/10162
PRIOR FILING DATE: 2001-03-03
NUMBER OF SEQ 110 NOS: 15
SOTTWARE: PRESENCE FOR MINGONS VERBION 4.0
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US-10-122-633-7
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; Sequence 7, Application US/10122633
; Publication No. US20030032611A1
; GENERAL INFORMATION:
                                                                                                                                                                                                            Sequence 3, Application US/10122633
Publication No. US20030032611A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Gilchrest, Barbara A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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APPLICANT: Yaar, Mina
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US-10-122-633-3
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0.012-540-3
0.0014 Match
100.04, Score 5, DB.15; Longth 7;
100.104, Pred. No. 48-09;
Matches 5, Conservative 0, Missatches 0, Indels
TITLE OF INVENTION: Method to Inhibit Cell Growth Using
TITLE OF INVENTION: Oligonucleotides
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US-10-122-630-7
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NUMBER OF SEQ ID NOS: 15
SOPTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: PCT/US01/10162
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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RESULT 13 US-09-142-593-11/c

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100.0%; Pred. No. 4.2e+08;
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                CORREST TANCINGTON WANGE (U. 16/10/27) 686
CORREST PRICE OF WANGE (U. 16/10/27)
RICH RALLING DATE: 2001-08-10
RICH RILLING DATE: 3001-08-3
RICH RILLING DATE: 3001-0-3
RICH RELING DATE: 11/11/1
RIMHERS OF SEQ. TO MOS. 13
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Job time: 58.2911 secs
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Patent No. US20020115216A1
                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
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FILE REFERENCE: STAN-160CIP
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US-09-861-014-6/c
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                                                                                                                                     SEQUENCE 11. APPLICATION 105 (191253)

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OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:

COMPUTER READABLE FORM:
NEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-

CITY: MINNEAPOLIS STATE: MINNESOTA STATE: MINNESOTA COUNTRY: USA

ZIP: 55402

APPLICATION NUMBER: US/09/142,593 FILING DATE: 10-SEP-1998 CLASSIFICATION: APPLICATION NUMBER: 60/040,664 FILING DATE: 11-MAR-1997 PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

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APPLICANT KAY, MAK A. APPLICANT KAY, MAK A. APPLICANT TATUS OF INVENTION: Shepling Beauty Transposon System TITLE OF INVENTION: Sleeping Beauty Transposon System
                                                                                                                                                                           Sequence 17, Application US/09927886
Patent No. US20020103152A1
1 GTATG 5
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h Similarity 100.0%; Pred, No. 4.2e+08; 5; Conservative 0; Mismatches 0; Indels

Query Match Best Local Similarity

Matches

MOLECULE TYPE: DNA (genomic) US-09-142-593-11 SEQUENCE CHARACTERISTICS:

linear

TOPOLOGY:

LENGTH: 8 base pairs TYPE: nucleic acid STRANDEDNESS: single

NAME: SANDBERG, VICTORIA A. REGISTRATION NUMBER: 41,297 REFERENCE/DOCKET NUMBER: 110.00450101

TELECOMMUNICATION INFORMATION:
TELEPRONE: 612-305-1226
TELEPAX: 612-305-1228
INFORMATION FOR SEQ ID NO: 11:

APPLICATION NUMBER: 66/053,868
FILLING DATE: 28-3UL-1995
FILLING DATE: 28-3UL-1995
FILLING TOWN NUMBER: 60/065,303
FILLING TOWN NUMBER: 80/065,303
APLICATION NUMBER: 8074/888/04687
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	US-09-540-843-5 11 1 gttagggttag 11		Title: Perfect score: Sequence:
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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. SUMMARIES

Description	000	AR026485 Sequence	s	9	904 8	AK306454 Sequence	2 0	AX268761 Segrence	AX283296 Segmence		_	22	43 Mammali	Sequence	n	5 Modulat	46			Modulat	Modulat	AR050942 Sequence		9	A84605 Sequence 15	8	AR145675 Seguence	ė	7	4	Sequence	B Sequence	Sed.	5 65	S	83 S	S	860 S	61.5	862 S	936 S	AR050962 Sequence
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ALIGNMENTS

linear DNA AR016034 11 bp Sequence 2 from patent US 5776679. AR016034 GI:3972311 Unknown RESULT 1
ARD16034/c
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM

PAT 05-DEC-1998

REFERENCE AUTHORS TITLE JOURNAL PEATURES

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Gaps

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ch 100.0%; 1 Similarity 100.0%; 11; Conservative 0,

Query Match Best Local Similarity

1 GTTAGGGTTAG 11

11 GTTAGGGTTAG 1

linear

Sequence 11 from patent US 5856096.

PINITION

AR026486

CCESSION

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AR026486.1 GI:5937326

Unclassified

ORGANISM

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100.0%; Pred. No. 3.7e+04;
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100.0%; Pred. No. 3.7e+04;
                                                                                                                                                                         *, Vileponteau, B., Peng, J., Punk, M. and Andrews, W. H. Mammalian telomerase Patent: US 837857-A 2 17-NOV-1998; Location/Qualifiers
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Willeporteau B. P. Feng, J., Punk, M. and Andrews, W.H.
Wammalian to Somerase
Parent: US 595660-A 3 28-582-1999;
Location/Qualiffers
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Unclassified:
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Villeporneau B., Peng,J., Punk,W. and Andrews,W.H.
Patent: 18 629835-A 2 10-JUL-2001,
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Sequence 2 from patent US 5837857.
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Sequence 2 from patent US 6258535.
AR161904.1 GI:16228913
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/mol_type="genomic RNA"
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GenCore and Constant 51.6	model	Run on: December 31, 2003, 11:36:21; Search time 317.886 Seconds (State of Seconds Sec	Title: Perfect more: US-09-540-643-5 Perfect more: 11 Sequence: 1 gteaggitag 11	Scoring table: IDENTITY NUC Gapop 10.0 , Gapext 1.0	Searched: 2552756 segs, 1349719017 residues	Motal number of hits satisfying chosen parameters: 2101872	Rinimum DB seq length: 0	Gost-processing: Minimum Match 0# Maximum Match 100*			CI M	4.10	10 r a	(81D81/gogdata/genseq/genseeqn-emb1/NA1998.DAT:•     (81D81/gogdata/gogdata/gensed/genseagn-emb1/NA1999.DAT:•     (81D81/gogdata/gonseeq/genseagn-emb1/NA199.DAT:•		146		16.6	52.5	23: /SIDS1/gcgdate./genseed/genseem-emb1/NA20018.DMT: 24: /SIDS1/gcgdate./genseed/genseeqm-emb1/NA2001.DMT: 25: /SIDS1/gcgdate./genseed/genseegm-emb1/NA2001.DMT: 25: /SIDS1/gcgdate./denseed/genseegm-emb1/NA2001.DMT:	Pred. No. is the number of results predicted by chance to have a	score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.	SUMMARIES	Result Query No. Score Match Length DB ID Description	11 100.0 11 18 ANY07269	100.0 11 18 AAT89250	11 100.0	11 21 AAA37561	11 100.0 11 21 AAA37573 PNA

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mammalian telomerase, and include the sequence GGS for specific metalisation to the template region of this component. PMAs can be used as probes to detect the KNA component of mammalian telomerase and as unitablicors of telomerase activity, especially in the treatment of a
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a peptide backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GBRO-) GERON CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      inhibitor; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nodified base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         09-APR-1996:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic
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                                                                                                                                                                                                                                                     Query Match
                                                                                                                                cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAT89237
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                                                                                                                                                                                                                                                                                                The invention retains to treasment of conditions associated with high through of tolorance activity in soil. The treasment comprises seaming extension comprises the extension of the conditions associated and the conditions are the proposition and the high seaming of the band comproment of followaters on as to imbable it activity. The filt of the object of the proposition of the condition and the condition and the condition and the condition of 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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Atriet complimentary psptids muclaic acids (PMAS), (e.g. MAS), Atriet of Atriet on RNA component of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Peptide nucleic acid; PNA; cancer; telomerase; probe; hybridisation;
inhibitor; human telomerase RNA; hTR; PCR; oligonucleotide; ss.
                                                                                            Treating elevated telomerase levels with N3 to PS oligonucleotide phosphoramidates - that bind to the RNA component of elomerase, appecifically for preventing growth of cancer cells, fungi and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New poptide nucleic acids hybridising to mammalian telomerase RNA was to inhibit telomerase, for treating tumours and other proliferative diseases, also for diagnosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DNA oligonuclectide 6, used in the measurement of Tm values.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 11; DB 18; Length 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0, Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Shay JW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 11 BP; 2 A; 0 C; 5 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 2; Page 49; 76pp; English
                                                                                                                                                                                                                                               Claim 5; Page 25; 38pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAT89250 standard: DNA: 11 BP.
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                                          WPI; 1997-512422/47.
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memore, mospitals, "prepriate, neurogeneric W disease, sign, hand memore propriate. The propriate propriat
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Peptide nucleic acid; PNA; telomerase; ribonucleoprotein enzyme; cancer;
infibitor; neoplasia; neuvodegenerative disesse; adjug; hypeplasia;
AIDS; HIV; fungal infection; forensic identification; detect; tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Peptide nucleic acid molecule, where N.(2-aminoethyl)glycine units are linked to nucleotide bases via glycine amino N through a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New peptide nucleic acid (PNA) compounds that inhibit telomerase activity in mammalian cells is usedila as probes to detect the RNA component of a mammalian telomorase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Shay JW, Norton JC, Corey DR;
                                                                                                                                                                                                                                                                                                                                                                       NA sequence #13 used to inhibit telomerase activity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        methylenecarbonyl linker"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           location/Qualifiers
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                                                                                                                                                  AAA37556 standard; DNA; 11 BP.
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                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Wright WE, Platyszek MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               paternity testing; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        misc feature
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                                                                                                                                                                                                                           AAA37556;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Dotection, telomerase, amplification, polymerase chain reaction, 
PCR, primery, cancer, carcinome, sercona, leukemia, leukemia, 
wycloma; lymphoma, neuroblastoma, aetrocytoma; glioma; 
glioblastoma, retinoblastoma, melanoma, screen; drug;
                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Detecting telomerase activity by ligation sequential reaction -
useful for diagnosis of cancer or to screen for telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ô
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weety match 100.04; Score 11; DB 18; Length 11; BBet Local Similarity 100.04; Pred. No. 2.1e+03; Matches 11; Conservative 0; Mismachter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 11; DB 18; Length 11; 100.0%; Pred. No. 2.1e+03; ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Windle BE;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   determination; telomere length; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 40; Page 27; 71pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Fletcher TM, Maine I,
                                                                                                                                                                                                                                                                                                                                                                                                                                 AAT90060 standard; DNA; 11 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Celomerase primer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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based on parbiological characteristics. The diadnostic and prognestic methods of the present investion can be used to detect an immortal or smoolastic ceal or tunour tissue or cancer of any origin, provided the call or tunour tissue of superigin, provided the call or tunour tissue is
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                                                                                                                                                                                                                   Length 11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PNA sequence #18 used to inhibit telomerase activity.
                                                                                                                                                                                                             y Match 100.0%; Score 11; DB 21;
Local Similarity 100.0%; Pred. No. 2.1e+03;
hes 11; Conservative 0; Mismatches 0;
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                                                                                                                                                     Sequence 11 BP; 2 A; 0 C; 5 G; 4 T; 0 other;
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New peptide nucleic acid (FWA) compounds that inhibit telomerase estivity in mammalian cells is useful as probes to detect the RNA component of a mammalian telomerase

Claim 9; Column 71-72; 45pp; English.

termede, measures, Vayarphia, intercelegative disease, signs, humanications, vicing (IV) intercelegative disease, signs, humanications of proposes of measures and proper control of the c Peptide nucleic acid, PNA, telomerase, ribonucleoprotein enzyme; cancer; inhibitor; neoplasia; neurodegemerative disease; aging; hyperplasia; ALDS HIV, fungal infection; forensic identification; detect; tumour; paternity testing; se. increases the rate of association with targeted nucleic acids, and sefforce greater realstance of degradation by procleases or nucleases. The herapeutic Phys may be used for treating disease conditions such as Gaps "Peptide nucleic acid molecule, where N-(2-aminoethyl)glycine units are linked to nucleotide bases via glycine amino N through methylenscarbonyl linker" b "G residue is linked to the amino end of the peptide GGRQIKIWFQNNMKWKR" ö ch 100.0%; Score 11; DB 21; Length 11; Similarity 100.0%; Pred. No. 2.1e+03; 11; Conservative 0; Mismatches 0: Trans. PNA sequence #19 used to inhibit telomerase activity. Sequence 11 BP; 2 A; 0 C; 5 G; 4 T; 0 other; Location/Qualifiers AAA37562 standard; DNA; 11 BP 97US-0838545 96118-0630019 15-AUG-2000 (first entry) (TEXA ) UNIV TEXAS SYSTEM GTTAGGGTTAG 11 GTTAGGGTTAG 11 /\*tag= /\*tag= Query Match Best Local Similarity 09-APR-1997; misc feature misc feature 09-APR-1996; US6046307-A 04-APR-2000 AAA37562; Synthetic Matches RESULT 7 AAA37562 qq Š 

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                                                nucleotide bases via glyine amino N through a
methylenecarbonyl linker"
                           N-(2-aminoethyl)glycine units are linked to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New peptide nucleic acid (PNA) compounds that inhibit telomerase activity in mammalian cells is useful as probes to detect the RNA component of a mammalian telomerase
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0; Mismatches 0;
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11; Conservative 0
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                                                                                                                                                        US6046307-A
                                                                                                                                                                                                                      4-APR-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         allobes carrectour conditions to be detected with Interested Confidence and possibly at an auxiliar stage, before cells are detected as conservous based on palosolgical characteristics. The disponsic in an proposatic methods of the present invention can be used to detect an immersal or mosphasic cell or tumour tissue or carrect of any origin, provided the cell september elaborative and the RNA component.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gape
                                                                                                                                          New peptide nucleic acid (PNA) compounds that inhibit telomerase escrivity in mammalian calls is useful as probes to detect the NAA component of a mammalian telomerase
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 11; DB 21; Length 11; 100.0%; Pred. No. 2.1e+03; 10e.0; Mismatches 0; Indels
                    Corev DR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "NA sequence #31 used to inhibit telomerase activity.
                    Norton JC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 11 BP; 2 A; 0 C; 5 G; 4 T; 0 other;
             Shay JW,
                                                                                                                                                                                                                                                                             Claim 9, Column 71-72, 45pp; English.
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Well 200-29123/25.

Well 2
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             Piatyszek MA,
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Peptide nucleic acid; PRA; telomerase; ribonucleoprotein enzyme; cancer;
Inhibitor; neoplasia; neurodegenrative disease; ading hyporplasia;
AIDS; HIV; fungal infection; forenaic identification; detect; tumour;
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/note= "Phosphorothioate internucleotide linkages"
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Antisense sequence #44 used to inhibit telomerase activity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Shay JW, Norton JC, Corey DR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         component of a mammalian telomerase
                                                                                                                                                                                                                                                            Location/Qualifiers
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                                                                                                                                                paternity testing; ss.
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Example 1, Column 27-28; 45pp; English.

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Sequence 11 BP;
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4	Sim	;;
namen her	Query Match 100.0%; Best Local Similarity 100.0%;	Matches 1

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AAF81185 standard; DNA; 11 BP 1 STINGGGITAG 11 AAF81185, Oligonuclectide thiophosphoramidate, SEQ ID NO: 1.

(first entry)

30-MAY-2001

Timinophogahoramidate oligomucleotida; virucida; cytesteatici; Immunosuppessivu contraceptive; RNA inhibitor; telomerase inhibitor; antisense inerapy; viral infection; cancer; hyperproliferative disorder; autoimmune disorder; ss

38-SEP-2000; 2000WO-US24688. 40200118015-A1 L5-MAR-2001. Synthetic.

99US-0153201 99US-0160444 10-SEP-1999; 19-OCT-1999;

(GERO-) GERON CORP.

Novel thiophosphoramidate polymucleotide useful for detection of RNA or DNA having a given target sequence, for inflibiting RNA function in a cell, and for treating cancer and viral infection Matray T, Srvaznov S. Pongracz K. WPI; 2001-265967/27

Example 3, Page 39, 68pp, English.

The present response was profiteated at an example intuitation and example and maintainty may see unseful to describe an operation exequence and example a most example of maintainty and example and exam hyperproliferative and autoimmune disorders, and for contraceptive 

## Sequence 11 BP, 2 A, 0 C, 5 G, 4 T, 0 other;

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RESULT 11 AAH26728

AAH26728 standard: DNA: 11 BP.

AAH26732 Standard, DNA; 11 BP.

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The present sequence is that of a 19.7 2. *ackblot-licocophoporanidae objection that is no spice and of the component of the 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                     -arabino-fluorooligonucleotide; phosphoramidate; telomerase;
                                                                                                                                                                                                                inhibitor; infection; cancer; diagnosis; therapy; cytostatic; virucide; antisense; as:
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                                                                                                                                   Phosphoramidate-linked 2'-arabino-fluorooligonucleotide.
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/mod_base= "OTHER"
/note= "phosphoramidate linkage"
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100.0%; Pred. No. 2.1e+03;
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                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
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                                                                            26-NOV-2001 (first entry)
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plemphoremaidre oligomorphochie that is complementary to 
elaserate PRW. The oligomorphochie was used to assess the 
collectors PRW. The oligomorphochie was used to assess the 
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and thirty. Novel phosphorandiate 2 "stabino-fluoroligomorphoral 
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treatment of vital infection (chimned) and in the 
treatment of vital infection (chimned).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Polymucleotides, used to detect and isolate nucleic acids, inhibit function of RNA and telomerase enzymes and to treat e.g. viral infections, contain 2 - arabino-fluoronucleoside(s) linked to
                                                                                                                                      2'-ribose-fluorooligonucleotide; phosphoramidate; telomerase;
inhibitor; infection; cancer; diagnosis; therapy; cytostatic;
virucide; antisense; antisens; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 11;
                                                                                                      Phosphoramidate-linked 2'-ribose-fluorooligonucleotide.
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100.0%; Pred. No. 2.1e+03;
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'mod_base= "OTHER"
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                                                                     26-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gryaznov S, Schultz RG;
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RESULT 12 AAH26732

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Inhibiting proliferation of spithalial calls, useful e.g. for treating excitoma, using specific oligonucleorides that mimic the effects of ultra-violet light
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/mod_base= g
/note= "Optionally phosphorylated"
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                        AAS14909 standard; DNA; 11 BP
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                                                                     AAS14909
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reprinction to research or the control of the contr

Inhibiting proliferation of epithelial cells, useful e.g. for treating carcinoms, using specific oligonuclectides that mimic the effects of

Eller M.

Gilchrest BA, Yaar M, (UYBO-) UNIV BOSTON. PI; 2001-626338/72 ultra-violet light

10-MAR-2001; 2001WO-US10162 31-MAR-2000, 2000US-0540843

11-OCT-2001.

The invention describes inhibition of mammalian epithelial cell

Example 12; Page 37; 74pp; English.

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widelath: melanogenits oligomer, extenetic, anti-allorgic, p5; anti-lamento-y demacological, optical postratic; municipperentve; volentenity optical postratic; municipperentve; volentenity proliferation inhibitor; opporation incompensation and proper proliferation disease, carcinomi, condetive seese; skin optical proper postration controlled proliferation disease.
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                  100.0%; Score 11; DB 23;
100.0%; Pred. No. 2.1e+03;
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Sequence 11 BP; 2 A; 0 C; 5 G; 4 T; 0 other;
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/mod_base= c
/note= "Phosphorylated"
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nes 11; Conservative 0
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AAS15434 standard; DNA; 11 BP. AAS15434;

PNA 7/IV inhibiting human and mammalian telomerase activity. 14-FEB-2002 (first entry)

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synthetic.

Location/Qualifiers modified base

/\*tag=

a "This sequence is a peptide nucleic acid, i.e. it contains a polyamide backbone instead of a

deoxyribose backbone"

US6294650-B1

38-JUL-1999; 25-SEP-2001.

99US-0349532. 97US-0838545.

96US-0630019. 39-APR-1996;

39-APR-1997;

shay JW, Wright WE, Piatyszek MA, (TEXA ) UNIV TEXAS SYSTEM.

PI; 2001-638024/73

Corey DR, Norton JC,

New peptide nucleic acids that hybridizes to the RNA component of manalian telomorase, useful for treating or preventing cancer, instantant commune of the property of the commune disease, or the commune of the commun

Claim 7; Column 73; 46pp; English. neurodegenerative diseases

The present invention relates to poptide nucleic acids (FNAs), comprising a sequence of e-2s nucleobeses, that inhibit telomerase activity in asmmillan cells by Appridising to the RNA component of mammalian

continuence of the power are under the proper of content the the component of community of the power and an inhibitory of characters are strictly or to community of the power and an inhibitory of characters are strictly or to community of the power are t activity. The present of the invention. 8×3888888888888

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TITLE Mouse whole	JOURNAL Unpublished COMMENT Contact: Ro University	University Rm. 308, Bi	84112, USA	Tel: 801 58	Fax: 801 58	
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iomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 585 5606

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FEATURES

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25 bp DNA linear GSS 13-DEC-2000
T. brucet sheared genomic DNA clone 84s06, forward sequence,
genomic survey sequence.
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                                                                                                                                                                                                                                                                              Datail: nelsayed@tigr.org
Datails of T. brucei sequencing at the Sanger Centre are available
at http://www.sanger.ac.uk/Projects/T_brucei/.
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described in detail in Smith, H. and Venter, J.C. (Making small insert libraries for whole genome shotgun sequencing projects. Genome Sequencing. A Practical Approach, eds. M. Vaudin and B. Barrell, Oxford University Press, 1999).
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Rockville, MP. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREUS27/4 GUTEL 10.1) was mechanically sheared
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4 kb). The v + i method used for the library construction is
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Ball, M. Bowans, S. Lennard, N. J., Doggett, J., Atkin, R.,
Chillimyovth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L.,
Melville, S. E., Rajandream, M.A. and Barrell, B. G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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Bukaryota, Buglenozoa, Kinetoplastida, Trypanosomatidae,
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             Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0443 row: A column: 17
                                                                                                                                                                                             Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 19
Location/Qualitiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
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ORGANISM

TITLE REFERENCE AUTHORS

COMMENT

GTTAGGGTTAG 11

GSS 14-DEC-2000

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Clone Library was 10th plants under 10th plants up 
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1M0548M19R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Contact: Robert B. Weiss
University of Uchal Genome Center
university of Uth
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  'lab host="E. Coli strain XL10-Gold, Tl-resistant, F-"
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90.9%; Pred. No. 1.46+05;
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Plate: 0548 row: M column: 19
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/mol_type="genomic DNA"
/strain="CS78L/63"
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Mus musculus
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Fax: 801 585 7177
1 GTTAGGGTTAG 11
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Memmalia, Butheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
1. Chaesa 1 to, 27)
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27 bp DNA linear GSS 16-FBB-200
20064D2F Mouse 10kb plasmid UUCCIM library Mus musculus genomic
ARABO1795
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Insert Length: 10000 Std Brror: 0.00
Plate: 0064 row: D column: 22
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/strain="C578L/6J"
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University of Utah Genome Center
University of Utah
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Fax: 801 585 7177
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10; Conservative 1 GTTAGGGTTAG 11 4 GTTAGGGGTAG 14

Matches

Mus musculus (house mouse)

Mus musculus

SOURCE SOURCE OORGANISM AUTHORS

Unpublished

MOUTHIE MOUNTE

09980559

AZ514597.1 GI:10695829

ACCESSION

VERSION

A2514597

A2514597/c DEFINITION

RESULT 6

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D18745 12-DEC-1995
MUSGS01807 Mouse 3'-directed Mus musculus domesticus CDNA clone
mad103 3' mRNA sequence.
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Analysis 15: 22).
Analysis of gene expression in mouse embryogenesis by 3'-directed
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Contacti Kasendoo, 8, Okubo, K., Yoshil, J., Katsuki, M. and Natsubara
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Mammalia, Butheria, Rodentia, Sciurognathi, Muridae, Musinae, Mus
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100.0%; Pred. No. 2.3e+05;
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3-1 Yamada-oka, Suita, Osaka 565, Japan.
Location/Qualifiers
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University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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/mol_type="genomic DNA"
/strain="C578L/63"
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/db\_xref="taxon:10090" /clone="UUGC1M0361E14"

Bource

on 05/19/2004

/sex="Male"

85.5%; Score 9.4; DB 28; Length 29;

Query Match

BASE COUNT ORIGIN

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FEATURES

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/mol_type="genomic DNA"
                                                                                                    clone="UUGC1M0563K14"
                                     db xref="taxon:10090"
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University of Utah
University of Utah
University of Utah
Em. 308_Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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THE STATE OF STATE 
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INOSSELAR Mouse 10kb plasmid UUCCIM library Mus musculus genomic
clone UUGCLM055AX14 R, genomic survey sequence.
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Pred. No. 2.4e+05;
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84112, USA
7701, 601 585 560
FRA: 801 585 7177
Email: ddunmagenetics.utah.edu
Email: ddunmagenetics.utah.edu
Email: ddunmagenetics.utah.edu
Patet: 6563 row: K coluum: 14
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/mol_type="genomic DNA"
/strain="C578L/63"
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                           Yens 1532-1 Kisarsur, China 292-0812. Japan
Beall: sesmisus&cause or :jp, URU:http://www.karusa.or.jp/en/plant/.
1..25
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Constructed at the institute for demand Research (TICE) is constructed at the institute for demand reportable who results only the construction of the construction of the construction of the institute of
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Details of T. bruce; sequencing at the Sanger Centre are available
at http://wew.sanger.ac.uk/Projects/T_brucei/.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (10-DEC-2000) Trypanogoma brucei genome sequencing
Submitted Centre, The Wellower Frust Genome Campus, Hinxton,
Cambridge (EBIO 18A, E-mail: Darrell@eanger.ac.uX and
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/fone lib="Arabidosis thaliana roots Columbia"
/fone lib="Arabidosis thaliana roots Columbia"
//tipe="Vector: pBlueScriptis SK-, Site_1: EcoR1; Site_2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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Bukaryota, Buglenozoa, Kinetoplastida, Trypanosomatidae,
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                                                                                                                                                                                                                                                                                                Contact: Erika Asamizu
The First Laboratory for Plant Gene Research
Kazusa DNA Research Institute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="Arabidopsis thaliana"
/mol_type="mRNA"
/srzān="Columbia"
/db_xrsf="taxon:7702"
/clone="RZ36allF"
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/mol type="genomic DNA"
/strain="TREU927"
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"---hes 9; Conservative
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Machidogies thaliana es Strepcophics mbryophyta; Tracheophyta;
Bekaryoca; Vitidipaneae Strepcophyta; mbryophyta; Tracheophyta;
Spermacophyta; Magoliophyta; endicoryladoms; core endicors; roside
; eurosid in Brassicales; Brassicanceae; Archidopsis.

( bases 1 to 25)
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Bax: 81-43-72-558
Emai: kkatodbs.ai8t-nara.ac.jp,
URL:http://love2.ai8t-nara.ac.jp/BED/index.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: Kikuya Kato
Graduate School of Biological Sciences
Nara Institute of Science and Technology
8916-5 Takayama, Ikoma, Nara 630-0101, Japan
                                                                                                                                                                                                                                                               Score 8.4; DB 29;
Pred. No. 5.3e+05;
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                /strain="TREU927"
/db_xref="taxon:5691"
/clone="319c11"
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and Caskey,C.T.H.
Tredation of chromosome-specific genes by reciprocal probing of
arrayed CNMs and cosmid libraries
Hem. Pol. Genet. 4, 1373-1380 (1995)
9609037
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/note="Arrayed cDNAs and cosmid libraries from human
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/mol_type="mkNA"
(Maxee=taxon:9606"
/map="xq21.3; Yp11.3"
/clone="xP206A"
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Job time : 1267.89 secs
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Contact: Caskey, C.T.H.
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NU2SSS44 3'-directed mouse CDNA library Mus musculus CDNA clone
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/clone lib="3'-directed mouse cDNA library"
5 c 3 a 8 t
                                                                                                                                                                                                                                       76.4%; Score 8.4; DB 29; Length 25; 90.0%; Pred. No. 5.4e+05; Live 0; Mismatches 1; Indels
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/clone="BED0005210"
         /db_xref="taxon:5691"
/clone="274g11"
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Query Match 100.0%; Score 11; DB 2; Length 11; Best Local Similarity 100.0%; Pred. No. 1.6e-02; Matches 11; Conservative 0; Mismatches 0; Indels
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STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
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REFERENCE/DOCKET NUMBER: 015389-000811US
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
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PRIOR PAPLICATION DATA
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-0CT-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT THFORWARTION:
NUMBE: SCOFELLS, JOHN R.
REGISTRATION NUMBER: 32,944
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COUNTRY: United States of America
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P.O. Box 4433
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
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TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (415) 576-0300
INPORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 GTTAGGGTTAG 11
                                                       NUMBER OF SEQUENCES: 3
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US-08-531-743-11
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THE STATEMENT OF THE STATEMENT OF
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FILING DATE: 97-301-1994
FILING DATE: 97-301-1994
FILING DATE: 187-627-1994
ATTORNEY DATE: 1870-627-1994
NOME: 38 COCALL, 30 DM R; 94
NOME: 38 CM R; 94
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CLASSIFICATION: 435
IOR APPLICATION: 435
                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 2, Application US/08482115B
; Patent No. 5776679
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Patent No. 5837857
GENERAL INFORMATION:
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APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
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Best Local Similarity 100.0%;
Matches 11; Conservative f
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INFORMATION FOR SEQ ID NO: 2:
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STATE: California
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                                                                                                                                                                100.0%; Score 11; DB 2; I
100.0%; Pred. No. 1.6e+02;
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NAME: Grandhan, Parricia
REGISTRATION UNDERE: 32,227
REGISTRATION UNDERE: GSHL94-05A4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMBENT APRILATION THAT CHARGE STATE TO THE TOTAL STATE STAT
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FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC COMPUTIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 36, Application US/08485778
Patent No. 5876979
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nucleic acid
DEDNESS: double
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Best Local Similarity 100.
Matches 11, Conservative
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Best Local Similarity 100.
Matches 11; Conservative
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TOPOLOGY: linear
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ZIP: 02173
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CONTINCT SEADONE FORM, INC.
CONTINCT SEADONE FORM, INC.
CONTINCT STATES FOR COMPANIENT FOR SEADONE STATES STATES

SOFTWARE. THE FOR COMPANIENT STATES TO CONTINCT SEADONE STATES STATES AND SEADONE STATES STATES TO SER-195

FILING DATE: 20-88-195

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Pacantin Ralease #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTOMENTARIES TREASURED.

NAME: Highlander, Steven L.

RESTANTION INDERS: 37, 642

TRECOMMENTATION INDERS: 37, 642

TREERAM: (S.2) 474-557

RESPONTION OF RESTANDING THE STEP 
                                                                                                                20-SEP-1995
1 DN: 435
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TELEPHONE (512) 418–3300
INCOMENTON (908 SED 10 NO: 12:
SEQUENCE CHARACTERISTICE 12:
LEWOTH: AL DAME PALKE
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CLASSIFICATION:
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2 09:33:17 2004

Fri Jan

US-08-472-802C-3/c

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100.0%; Score 11; DB 2; Length 11;
100.0%; Pred. No. 1.6e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIDIM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPENATING SYSTEM: PC-DOS/MS-DOS
SOFTWARR: PREMETER Release #1.0, Version #1.30
SURVERY APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Graidar Carol
APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Willeponteau, Bryant
TITLE OF INVENTIOR: RANA Component of Telomerase
MUMBER OF SEQUENCES: 47
                                                                                                                                                                                                                                                                                              ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Bighth Floor
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                                                           GENERAL INFORMATION:
APPLICANT: Willeponteu, Bryant
APPLICANT: Feng. Junil
APPLICANT: Medicess, William H.
TITLE OF INVESTION: Administration of Medicess, William H.
NUMBER OF SEGREDISES: 44
CORRESPONDENCES: 44
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/472,802C
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 36, Application US/08520550A
Patent No. 6013468
GENERAL INFORMATION:
Sequence 3, Application US/08472802C
Patent No. 5958680
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Avilion, Ariel A.
Feng, Junli
Funk, Walter
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STRANDEDNESS: single
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
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STATE: California
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Oquery Match
OBest Local Similarity
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MOLECULE TYPE: RNA
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N. PRILOGATI SHIPS, CARTY S. APPLICANT: WIGHLAND SHIPS, CARTYPIAN A. APPLICANT: WIGHLAND SHIPS, CARTYPIAN A. APPLICANT: CARTYPIAN A. SHIPS, CARTYP
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ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
                                                                                                                                                                                                                                                                                                MEDITER READLIS FORM:
MEDITAR TYPE: Floppy disk
COMPUTER: HP Companiilae
OPENATING SYSTEM: PC-DOS/HB-DOS
CURRENT APENATUR SYSTEM: PC-DOS/HB-DOS
CURRENT APPLICATION NATA:
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Two Embarcadero Center, Bighth Floor
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REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A3B
TELECOMMUNICATION INCREMATION:
TELEPHONE: 617-861-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NAMES: US 08/187,524
FILIND DATE: 1.3-FBB-1995,
PRICA PRICATION NAMES: US 08/130,128
APPLICATION NAMES: US 08/130,128
PRICA-PRICATION NAMES: US 08/130,128
APPLICATION NAMES: US 08/12,129
FILIND OWNE: US 08/12,129
APPLICATION NAMES: US 08/12,120
APPLICATION NAMES: US 08/12,129
APPLICATION NAMES: US 08/12/12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/520,550A
FILING DATE: 29-AUG-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 9, Application US/08630019A
Patent No. 6015710
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 GTTAGGGTTAG 11
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California
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US-08-520-550A-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
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                                                                                                                                                          STATE: MA
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SOFTWARE: Patentin Release #1.0, Version #1.30

MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/NS-DOS

CURRENT APPLICATION DATA

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Gaps
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MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "phosphorothicate (PS) nucleic acid"
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                                                                                                                                                                                                                                                 100.0%; Score 11; DB 3; Length 11; 100.0%; Pred. No. 1.6e+02;
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COMPUTER: 138 PC compatible
COMPUTER: 138 PC compatible
COMPUTER: STATUS SYSTEM: C-LOSY/46-LOS
COSTWARE: Pactentin Release #1.0, Version #1.30
APPLICATION DATA: 18/19/619, 019.8
FILING DATE: 09-109-1196
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STREET: Two Embarcadero Center, Eighth Floor
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                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
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Patent No. 6015710
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US-08-838-545-13
; Sequence 13, Application US/08838545
; Patent No. 6046307
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TELEPRONE: (415) 576-0200
TELEPRA: (415) 576-0300
INFORMATION FOR SEQ ID NO: 39:
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TYPE: nucleic acid
STRANDEDNESS: single
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CORRESPONDENCE ADDRESS:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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Matches 11; Conserv
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STRANDEDNESS:
TOPOLOGY: 11r
MOLECULE TYPE:
                                                                                                                                                             US-08-630-019A-30
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                                                                                                                                                                                                                                                            Query Match
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DESCRIPTION: Also a "perplete meltic scid (PNN).

DESCRI
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STREET: Two Embarcadero Center, Eighth Floor
CITY: San Prancisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 015389-001600US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
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          PILING DATE: 09-0UN-1996
CLASSIFICATION: 536
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APPLICATION NUMBER: US/08/630,019A
FILING DATE: 09-JUN-1996
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PAPLICANT: Platyszek, Mieczyslaw A.
APPLICANT: Corey, David
APPLICANT: No. 6015710cm, James C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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NAME: SCROELA, JOÉN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01538
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 9
SEQUENCE CHARACTERISTICS:
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INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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MEDIUM TYPE: Floppy of
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ZIP: 94111-3834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
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Feeganies, 4, Application US/08038545
FREEN No. 664507
GREEN INFORMATION IN THE CONTROL OF THE C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SSEE: Townsend and Townsend and Crew LLP
F: Two Embarcadero Center, Eighth Floor
San Francisco
California
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                                                                             ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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Best Local Similarity 100.7
...hes 11; Conservative
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MEDIUM TYPE: Floppy
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San Francisco
                       California
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ZIP: 94111-3834
                                                           USA
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                                                           COUNTRY:
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DESCRIPTION: Vales = Typetide mucleic acid (FNN),
DESCRIPTION: Vales = Typetide mucleic acid (FNN),
DESCRIPTION: Vales = Typetide mucleic acid for the DESCRIPTION: N. C.-Aminochyllylydrine units a linked to mucleicide bases via
BESCRIPTION: Aglycine amino N through a methylenocatomyl linker:
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     Medicorr, Shay, Jerry W.
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Medicorry, No Genderor, lames C.
TITLE OF INTERTOR. Mediation of Memmilian Tolomerane by TITLE OF INTERTOR. Peptide Nucleic Acids
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100.0%; Pred, No. 1.6e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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San Francisco
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CORRESPONDENCE ADDRESS:
STREET: Two Embarcadero Center, Eighth Floor
STREET: Two Embarcadero Center, Eighth Floor
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FILING DATE: 09-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: STORELLA JOHN RESISTRATION WIMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/838,545
FILING DATE: 09-APR-1997
CLASSIFICATION: 536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Patent No. 6046307
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
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C Best Local Similarity 100.04;
C Matches 11; Conservative C
Matches 1 Giragogring 11
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TYPE: nucleic acid
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PRIOR APPLICATION DATA:
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GENERAL INFORMATION:
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/desc = "peptide nucleic acid (PNA),
where (deoxy/tribose-phosphate linkages are replaced by
N-(2-aminosthyl)glycine units linked to nucleotide bases via
glycine amino N through a methylanecarbowyl linker.
                                                        SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                NAME: Storella, John R. REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001610US
                                                                                                                       APPLICATION NUMBER: US/08/838,545
FILING DATE: 09-APR-1997
CLASSIFICATION: 536
                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER. US 08/630,019
FILING DATE: 09-APR-1996
ATTORNEY/AGENT INFORMATION:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Length 11;
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100.0%; Score 11; DB 3; I
Best Local Similarity 100.0%; Pred. no. 1.6e-02;
Matches 11; Conservative 0; Mismatches 0;
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Job time : 42.8579 secs
                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                 INFORMATION FOR SEC ID NO:
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; TOPOLOGY: linear
; MOLECULE TYPE: RNA
US-08-998-443-2
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April, CAN. 1 (Sept. 1991)
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WELLING TYPE: FLORDY clark
COMPITER: 1884 For Comparible
OFERATING SYSTEM: FC-DOS/MS-DOS
SOSTWARES REVENTED Release #1.0, Version #1.30
APPLICATION DATA:
APPLICATION DATA:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678
TLING DATE: 05-UUN-1996
""""TATION NUMBER: US 08/330,123
                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,019
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CLASSIFICATION:
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Page 1

GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

December 31, 2003, 11:36:21, Search time 460.316 Seconds (without alignments) 444.364 Willion cell updates/sec Run on:

Gapop 10.0, Gapoxt 1.0

Genrched: 288911 seqs, 2045481336 residues

Goal number of hite setisfying chosen parameters:

Ganiman Bs seq length: 0

Facilian Bs seq dength: 0 IDENTITY NUC Gapop 10:0 , Gapext 1.0 US-09-540-843-6 1 catac 5 Perfect score: Scoring table: Sequence:

Gost-processing: Minimum Match 04
Maximum Match 1004
Listing first 45 summaries

gb\_ro:\* . \$\frac{1}{2} 09980559 on 05/19/2004

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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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13	S	100.0	20	9	AR079101	10	Sequence
18	s	100.0	10	9	20	7910	Sequence
13	2	100.0	01	9	8	9890	Sequence
50	2	100.0	10	9	33	733	Sequence
21	S		10	9	34	07344	Sequence
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ALIGNMENTS

DNA 5 bp Sequence 4 from Patent WO0174342. AX268756 RESULT 1 AX268756/c LOCUS DEFINITION ACCESSION VERSION

PAT 29-0CT-2001

linear

AX268756.1 GI:16541828 synthetic construct synthetic construct artificial sequences. KEYWORDS SOURCE ORGANISM

Gilchrest, B.A., Yaar, M. and Eller, M. Use of locally applied tha fragments Patent: WO 0174342-A 4 11-OCT-2001; TRUSTES OF BOSTON UNIVERSITY (US)

REFERENCE AUTHORS TITLE JOURNAL

		tch 100.0%; Score 5; DB 6; al Similarity 100.0%; Peed No. 5.80+0	Maches 5; Comervative 0; Mamaches 0; Indeas Oy 10/7AG 6 [	0; RESULT 4  LOCAS 1700 NAZ68759 Trom Patent WOUT432.  ACCESSION ACA68759 Trom Patent WOUT432.  ACCESSION ACA68799 Trom Patent WOUT432.	KEYWORDS SOURCE SOURCE ORGANISM REFERENCE ALTHORE OUGHALL DEATTREE TEATTRES	Comparing with press construct   Comparing with construct   Comparing with press   Comparing with construct   Comparing with co	Oury Watch 17, Base Local Statistics 100 %; Longth 7, Base Local Statistics 100 %; Rocal Rocal Statistics 100 %; Rocal R	. 2522	KEYWORDS SOURCE ORGANISM REFERENCE ALTHORS TITLE JOURNAL	RANIDING LOG NATIONS, ASSOCT LOG); HEACHEL, PERTY B. (US); ENATURES PRINCIPLE CONTINUES PRINCIPLE CONTINUES (MOLTANGE CONTINUES) (AD XRef= Reacon13530* (AD XRef	ORIGIN  ORIGIN  ORIGINATE OF THE TOTAL TOTAL DESCRIPTION OF THE TOTAL OF THE TOTAL OF THE TOTAL ORIGINAL ORIGINAL OF THE TOTAL ORIGINAL OR
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Matches

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Position dependent recognition of gnn nucleotide triplets by zinc
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="example target DNA"
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                                                                                     Sequence 2256 from Patent W00242459.
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Patent: NO 0242459-A 2256 30-MAY-2002;
Sangamo Bloeciences Inc. (US)
Location/Qualifiers
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/db_xref="taxon:9606"
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Lingere No 0242459-A 623 30-MAN-2002;
Patent: WO 0242459-A 623 30-MAN-2002;
Sangamo Elocatence Inc. (US)
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Position dependent recognition of gnn nucleotide triplets by zinc
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/mol_type="genomic DNA"
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Patent: WO 0242459-A 2220 30-MAY-2002;
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Sequence 2220 from Patent W00242459.
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Location/Qualifiers
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GenCore version 5.1.6 Copyright (c) 1959 - 2003 Compagen Ltd. Of mucleic - nucleic search, using aw model	Run on: December 31, 2003, 11:36:21 ; Search time 144.454 Gecords this Valubout alignments) 93.410 Million cell updateglec	TALA: Parker core: US-09-540-843-6 Sequence: 1 catac S	Scoring table: IDENTITY NUC	Searched: 2552756 segs, 1349719017 residues	length: 0	Post-processing: Minimum Match Ot Most Man Mach Ot Most Most Most Most Most Most Most Mos	8 1	ë ë ë			O 121 / \$1020/ [cgd.th./ jenseng/ molty (M18191, DMT; + 115 / \$1020/ [cgd.th./ jenseng/ molty (M18191,			21: / YIDS/QUEL/Queseq/ geneeqr_enbl/NAXOB1_ant. 22: / SIDS/QQGEL/Qeneeq/geneeqr_enbl/NAXOB_DAT.* 25: / SIDS/Qqdet./geneeqr_enbl/NAXOB_DAT.*	Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.	SILWANNIS	Result Query No. Score Match Length DB ID Description	100.0 5 20 AAZ10695 100.0 5 20 AAZ10696 100.0 5 23 AAS14908	C 5 100.0 7 20 AA31910 Metanogenesis senso C 5 100.0 7 20 AA3191 Metanogenesis senso C 7 20 AA3191 Metanogenesis senso C 9 100.0 0 7 20 AA3191 Metanogenesis senso C 9 100.0 0 7 20 AA3191 Metanogenesis senso C 9 100.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

DNA fragments useful for increasing p53 activity in a cell and reducing susceptibility to UV-induced hyperproliferative diseases

Claim 11; Page 30; 44pp; English.

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Pred. No. 5.2e+08;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAZ10694;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        anti-inflammactory demanciogical, controlleration interest, increasing immunosuppressive, DNA repair; proliferation inhibitor; apoptosis; tunar mercosis factor inhibitor; problecasings) hyperpoliferative disease; carcinosis (cortosis factor inhibitor) ablocasings) hyperpoliferative disease; carcinosis, oxidetive stress; skin cancer; allargy mediated inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            alisegically medicated information (actions of constant constitution)
ablangic chitatis and conjunctivits) prevent or reduce DNA damage in
cells caused by addation or chemicals, increase mainth production
(by percentation) in opithalial cells (c) for treating vitiligo), and to
conjuganciation in opithalial cells (c) for treating vitiligo), and to
conjuganciation in opithalial cells (c) for treating vitiligo), and to
conjuganciation in opithalial cells (c) for treating vitiligo), and to
conjuganciation in the conjuganciation of the conjuganciatio
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                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Melanin; melanogenic, oligomer; cytostatic, anti-allergic; p53;
                                                                                     100.0%; Score 5, DB 23; Length 5, 100.0%; Pred. No. 5.2e+08;
                                                                                                                                                                  0: Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   conjunctivitis, allergic rhinitis, vitiligo, ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Melanogenesis associated oligonucleotide #6.
Sequence 5 BP; 1 A; 0 C; 2 G; 2 T; 0 other;
                                                                                                                                                                  0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAS14910 standard; DNA; 5 BP.
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                                                                                                                                                                  5; Conservative
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                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                               1 CATAC 5
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<sup>2</sup>Coned from 099805594660591942004888888888888888

AAS14907

Melanogenesis associated oligonucleotide #7.

14-FEB-2002 (first entry)

AAS14911;

AAS14911 standard, DNA, 7 BP

AAS14911/c

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n 100.0%; Score 5; DB 23; Length 7; Similarity 100.0%; Pred, No. 3.7e+08; 5; Conservative 0; Mismarchae
                  Melanogenesis associated oligonucleotide #3.
                                                                                      30-MAR-2001; 2001WO-US10162.
                                                                                               31-MAR-2000; 2000US-0540843
         (first entry)
                                                                                                        (UYBO-) UNIV BOSTON,
                                                                                                                          WPI; 2001-626338/72.
                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
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                                                                                                                 Gilchrest BA,
         14-FEB-2002
                                                                             11-0CT-2001
                                                           Synthetic.
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The first properties of the profession of the properties of the properties of the profession of the properties of the profession of the pr
Mechanium automopentic olitopener; percenteric marti-altraçuio pSS1, anti-inflammatory; deramatological; ophthalmological; anti-percitatic; imamunosuppressive; DMR regaris profileratori inflatical; appressive tumoru necrosis factor inflatico; photosoging; hypotropicientic appressive tumoru necrosis factor inflatico; photosoging; hypotropic appressive disease; cuncernoma, oxiditive necrosis skin ancero; altergy mediated inflammation; conjunctivities; allegge rhintings; vitiligo; se.
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variation of the oligomucleotide shown in AASI4906, one of the 
poligomucleotides used to inhibit mammalism epithelial cell 
proliferation, described in the method of the invention.
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proliferation by residence originally a team of our processing by the region of the re
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                                                                                                                                                                                                                                                                                             wheating machinomic of posture rycenteric mattealfact; p333, continued and information of past and inf
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liferation, described in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eller M:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30-MAR-2001; 2001WO-US10162.
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/mod base=
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X5X8X8X8X8X
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100.0%; Score 5; DB 23; Length 7; 100.0%; Pred. No. 3.7e+08;

Best Local Similarity

Query Match

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Oz Gabe

CATAC

RESULT 7

Sequence 7 BP; 3 A; 0 C; 2 G; 2 T; 0 other;

Length 8;

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Propresent Control and Authorities and Authori
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sleeping Beauty, 88, AdSB10; adenovirus, transposase;
ninegraturis, viral vector, prosestic mait-diabetic, cardiant;
neuroperceetive, genetic disease, gene therapy; kerepy; cancer;
percent fibrosis, diabetes; varidovaeuclas disease; best mailmoricion;
genome analysis; chemotherapy; transpento hoet cell; direct repeat; da
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        Gaps
Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Direct repeat sequence that binds to SB protein.
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0; Mismatches
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(BAYU ) BAYLOR COLLEGE MEDICINE.
(MCIV/) MCIVOR R S.
                                                                                                                                                                                                                                                                                                                                                                   AAD02250 standard; DNA; 8 BP.
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(AGUI/) AGUILAR-CORDOVA E.
5; Conservative
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                                                                            CATAC 5
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(MCIV/)
Matches
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ID AAD0
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mediu to suppresse express expression from promoter of interest,
specifically TSU nuclaic acid suppression of MRC Class I and II gene
                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2. untranslated region, UTR, inhibition gene expression; ICOM-7;
interferon-gamma, ITR-gamma, major histocompatibility complax, MMC;
antigen expression; gene promoter, utron; 87-1; R-2 gamma R,
140 gene expression; translatar rejection; treatment;
autocimenne disease; inflammatory disease; se.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A promoter regulatory motif found in the utrons of the invention.
                                                             Indels
      Score 5, DB 22, L
Pred. No. 3.2e+08,
Mismatches 0,
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                                                       0, Mismatches
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      100.0%;
                                                                                                                                                                                                                                                                                                                                 AAV22350 standard; RNA; 9 BP
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                                                                    Conservative
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Query Match
Best Local Similarity
Matches 5; Conserv
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                                                                                                                     1 CATAC
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                                                                                                                                                                                                                                                                                                                                                                                               AAV22350;
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Mismatches

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Conservative

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Sequence 8 BP; 4 A; 3 C; 0 G; 1 T; 0 other;

Query Match Best Local Similarity Matches 5; Conserv

100.0%; Score 5; DB 19; Length 9; 100.0%; Pred. No. 2.9e+08;

Fri Jan

AAV22283 standard; DNA; 9 BP.

RESULT 10

29-JUN-1998 (first entry)

AAV22283;

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Claim 22; Page 90; 200pp; English.
                                                                       WPI, 1998-018505/02.
                                                             (UYYA ) UNIV YALE.
                                                        21-MAY-1996;
                                      Unidentified
                                          WO9744450-A1
                                               27-NOV-1997.
                                                    21-MAY-1997;
                                                                                   expression
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97WO-US09459. 96US-0646789.

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                                                                                                                                                                                                                                                                                                                                      cyclin D transcription factor; binding affinity; D-type cyclin; probe; cell cycle inhibitor; tumour; detection; cancer; DMP1; competitor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cyclin D transcription factor and related DNA - can be used to develop products for treatment of, e.g. cancer
                                                                                                                                                                                                                                                                Cyclin D transcription factor DMP1 nonamer consensus sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                   nonamer consensus sequence; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hirai H, Inoue K, Sherr CJ;
                                      AAV15899 standard; DNA; 9 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               97US-0017815.
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                                                                                                                                                                                  26-MAY-1998 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Aus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                domo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      409743415-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16-MAY-1996;
                                                                                                            AAV15899;
AAV15899/c
                                                                                                            The presents expenses represents a disconnection section of the present sequence represents a disconnection section of the present sequence represents a disconnection section of the present section of the present section s
                                                                                                                                                                                                                                                                                                                                                                                                                                                  GAS complement gene promoter motif found in a trophoblast STAT utron.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity 100.0%; Score 5; DB 19; Length 9; Similarity 100.0%; Pred. No. 2.96+08; 5; Conservative 0; Mismatches 0; Indels
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Sequence 9 BP; 1 A; 3 C; 2 G; 3 T; 0 other;

Query Match 100.04; Score 5; DB 19; Length 9; Beet Local Similarity 100.04; Pred. No. 2:99+08; Matches 5; Conservative 0; Mismatches 0; Indels

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Query Match Best Local Similarity

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RESULT 11

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ABX03786 standard: DNA: 9 BP.
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datches 5; Conservative
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ABX03786/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AALIGOS-7 represent DAK Engement what we need to discreasing 85 sections. The section of the sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DNA fragments useful for increasing p53 activity in a cell and reducing susceptibility to UV-induced hyperproliferative diseases -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                  UV-induced hyperproliferative disease; psoriasis; vitiligo;
atopic dermatitis; allergic rhinitis; conjunctivitis; photoaging;
skin cancer; ss.
                                                                                                                                                                                                                                                                953 activity, UV mimetic, UV-irradiation; UV-induced dermatosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ő
                                                                                                                                                                                                   Oligonucleotide sequence that increases p53 activity in a cell.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 5; DB 20; Length 9;
100.0%; Pred. No. 2.9e+08;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Melanogenesis associated oligonucleotide #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 9 BP; 3 A; 0 C; 4 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 11; Page 29; 44pp; English
MAZ10692 standard; DNA; 9 BP.
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ID AAS14905 standard; DNA; 9 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gilchrest BA, Yaar M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (UYBO-) UNIV BOSTON.
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Best Local Similarity
Matches 5; Conserv
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                                                                   AAZ10692;
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0; Gaps

Length 9; 0; Indels

100.0%; Score 5; DB 23; L 100.0%; Pred. No. 2.9e+08;

0; Mismatches

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                                                                                                                                                                /mod_base= 9
/note= "Optionally phosphorylated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 9 BP; 3 A; 0 C; 4 G; 2 T; 0 other;
Location/Qualifiers
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                                                                                                       *tag=
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Key
modified_base
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20-NOV-2001; 2001WO-US43438

30-MAY-2002

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the invention trailes to a differential daughty comparing connecting of the invention trailes or a differential daughty comparing connecting the first primar that bytefales of an oligometals assumed to the control of the control of
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          Differential display method, leucine-rich motif, transmembrane protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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100.0%; Pred. No. 2.9e+08;
rative 0; Mismatches 0; Indels
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                                                                secreted protein; primer; PCR; ss; human.
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mercreed processing of the pro
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                                                                                                                                                                                                                                                                                                                                                                                               New zinc finger protein that binds to target site, useful in studying 
gene function and for human therapeutics and plant engineering, 
comprises first, second and third zinc fingers, ordered from N to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sxample 1; Page 45; 81pp; English.
                                                                                                                                                                                               (SANG-) SANGAMO BIOSCIENCES INC.
                                                                                                                           20-NOV-2000; 2000US-0716637.
                                                                                                                                                                                                                                                                                                                                  4PI, 2002-500284/53.
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Length 9;
                                                           0; Indels
                        100.0%; Score 5; DB 24; I. 100.0%; Pred. No. 2.9e+08; tive 0; Mismatches 0;
Sequence 9 BP; 2 A; 2 C; 3 G; 2 T; 0 other;
                                                           Conservative
               Query Match
Best Local Similarity
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0; Gaps

Search completed: December 31, 2003, 15:08:15 Job time : 145.494 secs

Zinc finger protein related oligonucleotide target SEQ ID NO:623.

ABQ71504 standard, DNA; 9 BP.

28-AUG-2002 (first entry)

ABOTIS AB

ABQ71504;

Zinc finger protein, ZFP; DNA binding protein; zinc finger; 88.

W0200242459-A2 Homo sapiens. Synthetic.

1 CATAC 5

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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2253280"
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DNA Sequencing by: Washington University Genome Sequencing Center
Cond distribution RCI-CARPA clone distribution in Information can be
found through the I.M.A.G.E. Consortium/LAKI at:
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Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld M.D.,
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|mal_type="msh" cype" msh" cype" msh" clones "ImAGE.2102893"
|fissue_type="glioblastoms (pooled)" | Alab host="PH108"
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                                                                       strain-"CU428.1"
mol_type="mRNA"
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1. (bases 1 to 17)
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Turngowski, N., Stahl, D., Wruck, W., Menze, A., O'Brien, J., Lehrach, H.
and Radelof, U.
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Email: Banjay kumar-l@gsk.com
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Memmalia; Butheri; Rodontia; Sciurogankii, Muridee, Murinee, Mus.
1 Danea; 115, 53, 1118, M. 180-18, M. 181-18, M. 181-18, M. 181-181, M.
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IMAGE:183261 5' Similar to TR:Q15009 Q15009 ORF, COMPLETE CDS. ;,
mRNA sequence.
      Tissue Procurement: Christopher A. Moskaluk, M.D., Ph.D., Michael
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WOI:390519
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Contact: Marra M/Mouse EST Project
Manhington University School of MedicineP
Washington University School of MedicineP
                                                                                                                                                                                                                                                                                                            Trace considered overall poor quality
Seq primer: - 40m13 fwd. FF from Amersham
High quality sequence stop: 1.
Location/Qualifiers
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:1587278"
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The WashU-HHMI Mouse EST Project
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"Turkestra.A.P.", Karres.K.M., Jahn.C., Orias.E., Kirk.K.E., Frankel
J. and Klobutcher,L.
Tora from Terrahyment Thermophila, strain CW428.1, growing cells
Uppublished
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Mamaala; Buteheria; Primates; Catarrhini; Hominidae; Homo.
1 (Dases I to 19)
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
      Gaps
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2009-0-33-508 t.1 Chilcoat/Turkewitz CDNA (large fraction)
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Hymenostomatida, Tetrahymenina, Tetrahymena.
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Molecular Genetics and Cell Biology
University of Chicago
P20 E. Sebt Street, Chicago, IL 60637, 1
Tel: 773 702 4374
0; Mismatches
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HUMGS0008192 Human adult (K.Okubo) Homo sapiens cDNA, mRNA
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/organism="Homo sapiens"
/organism="Homo sapiens"
/db_xref="taxon:9506"
/dev_srege="adult"
/dev_lone_lib="Human adult (K.Okubo)"
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Contact: Okubo, K.
                                                            dev stage="embryo, 14 dpc"
lab_host="DH10B"
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/clone="IMAGE:2088249"
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Mammalia, Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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rims clone is available royalry-free through LLML; contact the
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TMMS Connectium (info@image.llnl.gov) for further information.
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INAGE:2086249 3' similar to TR:P79101 P79101 CLEANAGE AND
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/lab host="DH108"
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University of Utch Genome Center
University of Utch
West 306 Biomedical Polymers Research Bidg., 20 S. 2030 E., SLC, UT
48112, USA
                                                                                                                                                                                                                                                                                                                                                           GSS 29-SEP-2000
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HW0080D16R Wouse 10kb plasmid UUCCIM library Mus musculus genomic
CALONE UUCCIMO080D16 R, genomic survey sequence.
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Italam, L., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly
M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Meise, R.
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/clone lib-Wouse lokb plasmid UNGUM library 
/notes-Veccor: PRDIAIN; Partitled genemic DNN from M. 
manculus CSTBL/GO (male) was obtained from the Jackson Laboratory Mouse DNA Resource
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Insert Length: 10000 Std Error: 0.00
Plate: 0080 row: D column: 16
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Seg primer: CACACAGGAACAGCTATGACC
Class: plasmid ends
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/strain="C57BL/6J"
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/clone="UUGC1M0080D16"
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Pax: 801 585 7177
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University of Utah Genome Center
Diversity of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridee; Murinae; Mus.
I. (Bases 1 to 19)
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/clone lib-Woese 10b plasmid UNGCH library* 
/notes "Vector: PMG/ARY; Purified gamomic DNA from M. 
masuring STBL/G (male) was obtained from the Jackson 
Laboracory Mouse DNA Resource
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1larkty 100.0%; Pred. No. 1.9e+06;
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Pax: 801 S85 Thousand
Baxil: ddunmagemerics.utah.edu
Ilmsert. Length: 10000 S46 Error: 0.00
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Seq primer: CACACAGGAAACAGCTATGACC
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Location/Qualifiers
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Search completed: December 31, 2003, 19:41:24 Job time : 574.494 secs

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; Pred. No. 8.2e+07;
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/OU/855.3728
RACHING NUMBER: US/OU/855.3728
RACHING NUMBER: US/OU/855.3728
RACHING NUMBER: US. 00/517.332
FILING DATE: 16-204-56
REGISTRACTION NUMBER: AD-314-56
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MEDIUM TYPE: 3.50 inch, 1.4 MB storage
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OPERATING SYSTEM: Microsoft Windows 98
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EDNESS: No. 6090549 Applicable
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Best Local Similarity 100.0%;
Matches 5; Conservative 0
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INPORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: United States
ZIP: 60606
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Sequence 12, April Sequence 12, April Sequence 1, April Sequence 27, April 
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113.581 Million cell updates/sec
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the cotal score distribution.
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Sequence 422,
Sequence 23,
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Sequence 1, 7
Sequence 23, 8
Sequence 25, 8
Sequence 174, 8
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Sequence 12,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Description
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Issued Patente NI, ina/SA COMS. seq: *
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                                     GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                            December 31, 2003, 14:40:05
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Maximum Match 100*
Listing first 45 surmaries
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Gapop 10.0 , Gapext 1.0
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Match Length
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Sequence 4, Application US/09048927 Patent No. 6147056

US-09-048-927-4/C

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APPLICARY: HALL, DEDOCRAR E.
APPLICARY: TERMSRR, Abexandre F.R.
APPLICARY: LARXIN, SEARCH S.
APPLICARY: LARXIN, SEARCH S.
WINNERS OF SEQUENCES: 32
31
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/615,170
                                                                                            NAME: Cherekov, Michael J.
REGISTRATION MIWBER: 13 564
REFERENCE/DOCKET NUMBER: 33 664
TELECOMMINICATION INPORMATION:
TELEBRANE: (312) 621-1330
TELEBRAN: (312) 621-1330
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75. 2307U-053120
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TYPE: nucleic acid
TYPE: nucleic acid
TOPOLOGY: linear Jeneral MOLECULE TYPE: Genomic DNA
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FILING DATE: 06-PEB-1995
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PAPELICATION DATA:
APPLICATION WUMBER: US 08/191,493
FILING DATE: 04-FEB-1994
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Patent No. 5776776
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AZAKIE, Anthony
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TELEFAX: (415) 326-2422
INFORMATION FOR SEO ID NO: 10:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: Healin, James M.
REGISTRATION NUMBER: 29,5
REFERENCE/DOCKET NUMBER:
FILING DATE: 16-JAN-96
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (312) 621-0088
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
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PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 5 bases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CATAC 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , HYPOTHETICAL:
US-09-498-851-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-615-170-10
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MARCHAN MARCH MARCH MARCH MARCHAN MARCH MARCHAN MARCH MARCHAN MARCH MARCHAN MARCH MARCHAN MARC
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A PRINCIPATION (GIODENEL BENERA A. APRICONT (GIODENEL BENERA A. APRICONT) (GIODENEL BENERAL A. APRICONT) (UNE OF INTERPATION (UNE ) 1984-01-36

CONTRIBER PRINCIPATION (UNE ) 1984-01-36

CONTRIBE PRINCIPATION (UNE ) 1984-01-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 5; DB 3; Length 5; 100.0%; Pred. No. 8.2e+07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
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MEDIUM TYPE: 3.50 inch, 1.4 MB storage
COMPUTER: PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OPERATING SYSTEM: Microsoft Windows 98
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        U.S. 08/587,332
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FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           *** Order all -0/10/Carterion Us/09498851

*** Observation 20. Application Us/09498851

*** Patient 20. Application Us/09498851

*** Observation Us/0949851

*** Observation Us/0949851

** Observation Us/0949851

*** Observation Us/
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OTHER INFORMATION: DNA Fragment ORGANISM: Artificial Sequence ORGANISH: Artificial Sequence
Contact House Incommittee Tragge
G-09-048-927-4
O-0-rey Match
O-0-recoal Smilarity 100.04
Cheer Local Smilarity 100.04
Matches 5: Conservative

NUMBER OF SE SOFTWARE: Fai O SEQ ID NO 4 LENGTH: 5 TYPE: DNA

1 CATAC 5 S CATAC 1 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/855,372
FILING DATE: 13-MAY-97
APPLICATION NUMBER: U.S. 08/58

E: CHERSKOV & FLAYNIK 20 N. Wacker Drive

United States CITY: Chicago STATE: Illinois COUNTRY: United o

90909 ADDRESSEE:

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Gaps

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Patentin Release #1.0, Version #1.30

SOPTWARE:

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GREBAL TROWNTON:
THILD OF INVESTOR: DAL-BASED TRANSPOSON SYSTEM FOR THE
THILD OF INVESTOR: INFODUCTION OF NOCLEIC ACID INTO DIA OF A CELL,
NUMBER OF SEQUENCES: 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPELCONT: Var. Hun.
APPLICONT: Var. Hun.
APPLICONT:
                                                                                                                                                                                 ; OTHER INFORMATION: /standard_name="Rat beta-Myosin"
US. OG-THER INFORMATION: Heavy Chain M-CAT binding element"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                       Length 7;
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100.0%; Pred. No. 5.8e+07;
                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 5; DB 1; Lot 100.0%; Pred. No. 5.8e+07;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 11, Application US/09142593
Patent No. 6489458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 3, Application US/09048927
Patent No. 6147056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               J OTHER INFORMATION: DNA Fragment
US-09-048-927-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Artificial Sequence
                                                                                                        NAME/KEY: misc feature
LOCATION: 1..7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.1
Matches 5; Conservative
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MEDIUM TYPE: Floppy
                    MOLECULE TYPE: DNA
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Best Local Similarity
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                                                                                                                                                                      LOCATION:
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LENGTH: 7
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APLICONT: NAM, JAMES I, JAIN K.G.
APLICONT: HALL DOORS H. E.,
APLICONT: HALL ELEMENT ELEMENT POWER, DOOR MACKET DIAGNORY
CITY, AND FORGICON H. T. APLICONT H. E.,
STATES: CALIFORNIA CONTROL HALL DOORS HACKET DIAGNORY
STATES: CALIFORNIA CONTROL HALL DOORS HALL D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 5; DB 1; Length 7;
100.0%; Pred. No. 5.8e+07;
                                                                                                                                                                                                                                                                                                                                                                                                                       CTHER INFORMATION: /standard.name= "Sph-II binding to CTHER INFORMATION: site in SV40" US-08-615-170-10
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CURRENT APPLICATION DATE
APPLICATION NUMBER: US/08/615,170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Healin, James M.
RECIGRATION NUMBER: 29, 541
REFERENCE/DOCKET NUMBER: 20,710-053120
TELECOMMUNICATION INFORMATION:
TELECOMONIC ATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLÁSSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/U895/01526
FILING DATE: 06-FEB-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Description of the control of the co
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 08/191,493
FILING DATE: 04-PEB-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 base pairs
TYPE: nucleic acid
STRANDENESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc feature
LOCATION: 1..7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
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PRIOR APPLICATION DATA: APPLICATION NUMBER: 60/040,664 FILING DATE: 11-MAR-1997

CLASSIFICATION:

NAME: SANDBERG, VICTORIA A. REGISTRATION NUMBER: 41,287 TELECOMMUNICATION INFORMATION: TELEPHON: 612-305-1226 TELEPAX: 612-305-1228 INFORMATION FOR SEQ ID NO: 11: SEQUENCE CHARACTERISTICS:

REFERENCE/DOCKET NUMBER:

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0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 5; DB 2; Length 9; 100.0%; Pred. No. 4.5e+07; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 5; DB 3; Length 9; 100.0%; Pred. No. 4.5e+07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INCORPATION:
APPLICANT: Peyman, John A.
TITLE OF INVENTION: REGULATION OF GENE EXPRESSION
KURBER OF SEQUENCES: 101
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21F. 11016-2711
COMPUTER READALE FORM:
MEDIUM PTER: FIREDALE FORM:
COMPUTER: 18M PC Compatible
OFFRATING SYSTEM: PC-DGS/MS-DOS
COMPUTER: PRELICTION DATA:
APPLICATION NATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0. Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 8, Application US/08646789A
Patent No. 6022863
07/887,712
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSER: PENNIE & EDMONDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION
TELEPHONE: (212) 790-9090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: May 21, 1996
CLASSIFICATION: 800
                             FILING DATE: 22-MAY-1992
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 100.0%.
                                                                                                                                                                                                                                                                                                                            DESCRIPTION: Genomic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER:
                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: singular
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Best Local Similarity 100.
Matches 5; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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       APPLICATION NUMBER
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U.S.A.
                                                                                                                                                   9 bases
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STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CATAC 5
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US-08-646-789A-8
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MOLECULE TYPE:
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                                                                                                                                                                                                                                                                                                                                                         US-08-583-276-1
                                                                                                                                                   LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 10
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PRELICANT, RECORDS, ROALD T.

RELICANT, REPORTED RESERVED OF HUMAN
TITLE OF HUMBRIDGH MATERIOR MESSENDER GREAT PROMISED TITLE OF HUMBRIDGH MATERIOR PROMISED THE OF HUMBRIDGH MATERIOR FOR THE TRANSPORCE WHIT SIDE OF HUMBRIDGH MATERIOR FOR THE TRANSPORCE WHIT SIDE OF THE PROMISED THE SIDE OF THE
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Cecchi & Stewart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                           PRIOR APPLICATION NAMER: 60/053,868
PRIOR MEMOREMEN 60/053,868
PRIOR MEMORY OF 60/053,868
PRILACHTON PARER: 60/05,313
PRILACHTON PROBER: 60/05,313
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/142,593
FILING DATE: 10-SEP-1998
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FILING DATE: 05-JAN-1996
CLASSIFICATION: 435
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Surr 8 276-7/C (1992)

Surr 8 276-7/C (1992)

Gun 8 276-7/C (1992)

Gun 8 276-7/C (1992)

Gun 8 276-7/C (1992)

Gun 8 276-7/C (1992)

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Fritte 6 Paragraph (1992)

Fritte 6 Paragraph (1992)

Fritte 6 Paragraph (1992)
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MEDIUM TYPE: 3.5 inch diskette
COMPUTER: IBM PS/2
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5; Conservative

2 CATAC 6

TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)

nucleic acid 8 base pairs

PRIOR APPLICATION DATA: APPLICATION NUMBER: 08/332,444 FILING DATE: 31-OCT-1994

OPERATING SYSTEM: PC-DOS SOFTWARE: DW4.V2 CURRENT APPLICATION DATA:

6 Becker Farm Road

CITY: Rossland STATE: New Jersey COUNTRY: USA

07068 ADDRESSEE: ADDRESSEE: STREET:

CORRESPONDENCE ADDRESS:

NUMBER OF SEQUENCES:

Length 9,

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APPLICATE: Cithrese, anchara A.
APPLICATE: Vast. Will
THIS OF INTERTION News of Locally Applied DNA Pragments
FILE OF INTERTION News of Locally Applied DNA Pragments
FILE MERRENGE: NOW-46AA.
COMMENT PARTICATION NEWSER: 166-266-27
BALIER PATICATION NEWSER: 166-266-27
BAL
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100.0%; Pred. No. 4.5e+07;
                                                                                                                                             APPLICANT: Peyman, John A.
TILLE OF INVENTION: REGULATION OF GENE EXPRESSION
TINES OF INVENTION: REGULATION OF GENE EXPRESSION
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                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 6523-006
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
Sequence 80, Application US/08646789A
Patent No. 6022863
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MESULT 11

6.09-048-27-1/C

O Sequence 1, Application US/09048927

A Patent NO 6147096

A Patent NO 6147096

GRESSLA INFORMATION:
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CLASSIFICATION: 800
CLASSIFICATION: 800
NAME: MISTOCK, S. Lebite
REGISTRATION NUMBER: Lebite
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (212) 869-9741/8864
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US-09-048-927-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INPOMATION FOR SEQ ID NO: 80: SEQUENCE CHARACTERISTICS: LENGTH: 9 been pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: New York
STATE: New Yor)
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Sequence (8, Application US/09119648
Patent No. 661530
GENERAL IRFORMATION: Many Sequence Muchacide Amalog Hairpin
TITLE OF INVESTION: Fluorescent Nucleation of Muchacide Add Mybridisation
Departion of Defection of Muchacide Add Mybridisation
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100.0%; Pred. No. 4.5e+07;
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TOWNESSEE: Tronsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Righth Floor
CITY: San Francisco
STWTE: California
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TELECOMMUNICATION INFORMATION:
TELERHONE: (415) 576-0200
INFORMATION POR SEQ. 10 NO: 68:
                100.0%; Score 5; DB 3; Le
100.0%; Pred. No. 4.5e+07;
                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
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US-09-319-648-68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Pang, Carol
REGISTRATION NUMBER: 48,631
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Li, Kening
APPLICANT: Rouse, Douglas I
                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 68
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Query Match
Best Local Simitarity 100...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5; Conservative
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Fri Jan

STREET:

ATTORNEY/AGENT INFORMATION:

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SELF-ORGANIZING MOLECULAR PHOTONIC
STRUCTURES BASED ON CHROMOPHORE-AND FLUOROPHORE-CONTAINING POLYNUCLEOTIDES AND METHODS OF THEIR USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaba
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100.0%; Pred. No. 8.6e+04;
tive 0; Mismatches 0; Indels
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REDITAR THEN 3.5" Flakette, 1.44 Mb storage
COMPUTER: IBM Compatible
COMPUTER: SYSTEM: IBM P.C. DOS (Version 5.0)
SOFRATHES: MordBerfect (Version 5.1)
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                                              NAME: Fitting, Thomas
REGISTATION NUMBER: 34,163
REFERENCE, DOCKET WUNBER: HELGOOLDP
TELECOMMUNICATION: TELEPHONE: 619-792.3680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1, Application US/08232233
Refert No. 5/65/522
GENERAL INFORMATION: APPLICATION: APPLICATION: Michael J. Heller TATLE OF INVESTIGN: SELF-ORGANIZIN TITLE OF INVESTIGN: STRUCTURES BASILITIES OF INVESTIGN: CONTANTING DUBLICATION: CONTANTING DUBLICATION: CONTANTING DUBLICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Lyon & Lyon
STREET: 611 West Sixth Street
CITY: Los Angeles
STATE: California
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TELERAN (2713) 955-0440
TELERAN (57-5510
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleac acid
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                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 10 bear pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
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LOCATION: 10
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Best Local Similarity 100.
Matches 5; Conservative
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: DN
HYPOTHETICAL: NO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-250-951-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-232-233-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
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TITLE OF INVENTION: STATUTURES BASED ON CHROMOPHARE. AND FURNOHERE-CONTAINING
TITLE OF INVENTION: POLINCILEOTIDES AND METHODS OF THEIR USB
WINNERS OF SEQUENCES.
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APPLICANT: German, Thomas L.
NITER OF INVENTION: ASSAY FOR VERTICILLIUM DAHLIAE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
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MEDIAN REALALS FORM:

MEDIAN THESE IS PEOPPY disk.

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SOFTWARE PLANTER REAL PLANTER PLA
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/250,951
FILING DATE:
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: 12256 High Bluff Drive, Suite 300
San Diego
California

    Quarles and Brady
    South Pinckney St., PO BOX 2113

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REGISTRATION NUMBER: 27,386
REPERENCE/DOCKET NUMBER: 960296,93065
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/790,262
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Sectione 1. Application US/08250951
Patent No. 5533129
CREMEAL PROPRATION:
PRICAMENT HELIEV, Michael J
TITLE OF INVESTION: SELE-CREMAZIAN
TITLE OF INVESTION: SELE-CREMAZIAN
TITLE OF INVESTION: SELE-CREMAZIAN
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COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
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MOLECULE TYPE: DNA (genomic)
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SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
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Geet Local Similarity 100.0
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TYPE: nucleic acid
STRANDEDNESS: single
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MEDIUM TYPE: Floppy of
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                                                                                                                                                                                                                                                                              CITY: Madison
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COUNTRY:

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SYNAMOROMSS: single
NOTOCOTY: lines (seemic)
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NOTOCOTY: lines (seemic)
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Query Match 100.04; Score 5; DB 1; Length 10; Best Local Similarity 100.04; Pred. No. 8.6e404; Matches 5; Conservative 0; Mamarches 0; Indels

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18:10.128.60.224 Sequence 11.74.pp (18:10.128.60.224) Sequence 11.74.pp (18:10.228.60.224) Sequence 11.74.pp (18:10.228.60.224) Sequence 12.74.pp (18:10.228.60.224) Sequence 12.74.pp (18:10.228.60.224) Sequence 12.729, April 18:10.229.60.229, April 18:10.229, A	10. 60 - 589 - 584 - 2250	Alidomonts  0  1,122, 630  7,122, 630  7,1022  1,10162  sion 4.0	100.04; Score 5, DB 15; Length 5; 100.04; Pred: No. 6.7e-09; Indels 0; Gaps :ive 0; Mismatches 0; Indels 0; Gaps
		ALIGNMENTS  RESULT 1.  Observator 4.  Parallization for Userson and Control of Control o	Duery Match Sest Local Similarity Matches 5; Conserval 1 CATAC 5
2911 Seconds C C C C C C C C C C C C C C C C C C C	0000 000000 000	1944	Sequence 3, Applia Q Sequence 7, Appli B Sequence 11, Appl M Sequence 17, Appl Qy
GenCore version 5.1.6  Copyright (c) 1993 - 2004 Compugen Ltd.  OM nucleic eserch, using ew model  Num on: December 21, 2003, 17:10:00 (Search time 98:2311 Seconds Num on: 1995)	Title:  1 cate 5 section 1 cate 6 sectio		
OM nucleic - nucle Run on: De	Sequence 10s-09-540-641-6 Sequence 10s-09-540-641-6 Sequence 10s-09-540-641-6 Sorting table: 10serity to 6 days  Sorting table: 125544 seqs: 173  General number of hits satisfying of Philiman De seq Jangith: 0  Control of the sequence of the satisfying of the sati	980559 on 05/19/2004	111111111111111111111111111111111111111

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APPLICANT: Relar, Wark S.
TITLE OF INVENTION: Method to Inhibit Cell Growth Using
TITLE OF INVENTION: Oligomorlacides
FILE REPERENCE: 0054,1088-019
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PRICE FILING DAYS 2000-03-31
PRICE FILING DAYS: 2000-03-31
PRICE APPLICATION NUMBER: PCT/US01/10162
PRICE FILING DAYS: 2001-03-30
NUMBER OF SEQ ID NGS: 15.
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CURRENT FILING DATE: 2002-04-12
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Sequence 4, Application US/1012633

Politication No. US2030032611A1

GENERAL INFORMIUM: Barbara A.
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Publication No. US20030032610A1
GENERAL INFORMATION:
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ORGANISM: Artificial Seguence
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GRNERAL INFORMATION:
APPLICATION MANA DAVIG G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Delymorphisms in the Human Genome
Query March 100.01; Score 5; DB 15; Length 5; Best Local Similarity 100.04; Pred. No. 6.79-409; Mismarches 5; Conservative 0; Mismarches 0; Indels
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TITLE OF INVENTION: Oligomucinocides
TELE REPRESENCE: 0644, 1046, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 1019, 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PILE REPERENCE: 108827.129
CURRANT APPLICATION NUMBER: US/10/027,632
CURRANT FILING DAFE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,066
PRIOR FILING DAFE: 2000-07-12 (80/218,066)
PRIOR PLING DAFE: 2000-07-12 (80/198,676)
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PRIOR PELICATION NINGERS. US 60/191,463
PRIOR PLINE NO. 200. 20. 60/191,463
PRIOR PLINE NO. 20. 20. 60/195,18
PRIOR PLINE NO. 20. 20. 60/195,18
PRIOR PLINE NO. 20. 60/195,18
PRIOR PLINE NINGERS. US 60/195,18
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SOFTWARE: FastSEQ for Windows Version 4.0
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SOFTWARE: FastSEQ for Windows Version 4.0
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PRIOR FILING DATE: 2001-03-30
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Publication No. US20030204075A9
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PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
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Publication No. US20030032611A1
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APPLICANT: Eller, Mark S.
APPLICANT: Yaar, Mina
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LENGTH: 7

PRIOR FILING DATE: 2000-02-24

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100.0%; Pred. No. 4.8e+08;
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100.0%; Score 5; DB 14; L
Best Local Similarity 100.0%; Pred. No. 4.88+08;
Macches 5; Conservative 0; Mismatches 0;
PRIOR PATICATION WOMEN 10 6 6/147.345
PRIOR PATICATION WOMEN 10 6/14/145
PRIOR PATICATION WOMEN 10 6/14/14/18
PRIOR PATICATION WOMEN 10 6/14/14/18
PRIOR PATICATION WOMEN 10 6/14/14/19
NUMBER OF SED IN MES 13579
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SOFTWARE: FastSEQ for Windows Version 4.0
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Publication No. US20030032610A1
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APPLICANT: Year, Mina
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Best Local Similarity
Matches 5; Conserv
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US-10-027-632-178029
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US-10-027-632-178043
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Pablication No. USPODOMOGENEES
THE SPERBERE. 108577.259
THE NO. USPODOMOGENEES
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TITLE OF INVESTIGNS I Detail Cleation and Mapping of Single Muclectide
TITLE OF INVESTIGNS I Detail Cleation and Mapping of Single Muclectide
TILE REPRODUCE: 0.03mc/phimms in the Human Genome
TILE REPRODUCE: 0.0897.123 VIA.00.797.53
PRODUCE PRINCE NO. 2002-64-10.8
PRICE APPLICATION MARRES: 18 60218.006
PRICE REPLICATION MARRES: 18 60218.006
PRICE APPLICATION MARRES: 18 60218.006
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                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                              0; Mismatches
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PRIOR APPLICATION WINDERS: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
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                                                                                                                                                                                                                                                                         Best Local Similarity 100.
, TYPE: DNA
, ORGANISM: Human
US-10-027-632-178029
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5-10-027-632-178043
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ORGANISM:
                                                                                                                                                                                                                           Query Match
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Query Match 100.04; Score 5; DB 15; Length 7; Best Local Similarity 100.04; Pred. No. 4.8e+168; Matches 5; Conservative 0; Mismatches 0; Indels
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APPLICANT. Year, Min
TITE OF INVENTION INVECTOR OF COLUMN COLUMN
TITES OF THE SERVICE OF COLUMN CONTRA COLUMN CONTRA 2009-04-12
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ilarity 100.0%; Pred. No. 4.8e+08;
Conservative 0; Mismatches 0:
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SEQ ID NO 3
LENGTH: 7
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NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 4.0
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US-10-122-633-7
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                                                                                                                                                                                                      Sequence 3, Application US/10122633
Publication No. US20030032611A1
GENERAL INFORMATION:
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Publication No. US20030032611A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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PRIOR FILING DATE: 2000-03-31
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Best Local Similarity
Matches 5; Conserv
                                                                                                                                    RESULT 11
US-10-122-633-3/c
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TITLE OF PURMETRON: NOTE OF THE CALL GROWTH USING TITLE OF PURMETRON: NOTE OF THE ACT OF
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US-10-122-630-7
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PRIOR FILING DATE: 2001-03-30
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FASTSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: PCT/US96/08386
PRIOR PLING DAFE: 1996-06-03
PRIOR APPLICATION NUMBER: US 09/048,927
PRIOR PLING DATE: 1998-03-26
PRIOR PLING DATE: 2090-03-31
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ORGANISM: Artificial Seguence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100...

5, Conservative
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Gaps

FILE REFERENCE: STAN-160CIP

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GENERAL INFORMATION:
PARTICUP: HACKET FF TAL.
TITLE OF INVESTION: DAN-BASED TRANSPOSON SYSTEM FOR THE
TITLE OF INVESTION: INTRODUCTION OF NICLEIC ACID INTO DNA OF A CELL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SHREAL INFORMATION:
APPLICANT Not A. Stephen
TITLE OF INVESTION whethods of In Vivo Gene Transfer Using a
TITLE OF INVESTION: Stephen
TITLE OF INVESTION: Stephen
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100.0%; Score 5; D8 9; Length 8;
Best Local Similarity 100.0%; Pred 100.4.22+08;
Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                            COMPUTER READAIR PORM:
MEDIUM TYEE: Floopy disk
COMPUTER: TAR PC compatible
OPERATING SYSTEM: PC-DOG/MS-DOG
SOFTWARE: Refeared MI.0, Version MI.30
CURRENT APPLICATION DAYA.
                                                                                               NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
CORRESPONDENCE MUSTING, RAASCH & GEBHARDT, P.A.
STREET: 119 NORTH FOURTH STREET, SUITE 203
                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 110.00450101
                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/09/142,593
FILING DATE: 10-SEP-1998
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-927-886-17
; Sequence 17, Application US/09927886
; Patent No. US20020103152A1
           Sequence 11, Application US/09142593
Patent No. US20020016975A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: SANDBERG, VICTORIA A. REGISTRATION NUMBER: 41,287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-305-1226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 612-305-1228
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                                                                                                                                                       CITY: MINNEAPOLIS
STATE: MINNESOTA
COUNTRY: USA
                                                                                                                                                                                                   55402
US-09-142-593-11
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Gaps
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Mismatches
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PRICE PRILING DATE, 2000-05-19 6/266,121
PRICE APPLICATION NAMES: 13 60/285,121
PRICE PRILING DATE, 2001-04-20
SOFTHARE OF SEX ID NOS; 10
SOFTHARE, PROBLIN VERSION 3.0
SOFTHARE; 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Direct repeat sequence
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Patent No. US20020115216A1
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
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Gaps

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0; Indels

Length 8;

100.0%; Score 5; DB 10; L 100.0%; Pred. No. 4.2e+08;

0; Mismatches

Best Local Similarity 100. Matches 5; Conservative

Query Match

1 CATAC 5

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Gabs

Search completed: January 1, 2004, 01:10:37 Job time : 58.2911 secs

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GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on:

December 31, 2003, 11:36:21; Search time 644.443 Seconds Without alignments 44.344 Without alignments 44.364 Willian cell updates/ec

Georghair. Capps 10.0 , Capext 1.0
Georghair. 2889711 seqs. 2044613386 residues
Protest number of Mite settsfying chosen parameters:
Printing Bo seq length: 0
Georgia dength: 0 IDENTITY NUC Gapop 10.0 , Gapext 1.0 US-09-540-843-7 1 agtatga 7 Perfect score: Sequence: Scoring table:

Opost-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

gb\_ba:\* gb\_htg:\* gb\_in:\* GenEmbl:\* 09980559 on 05/19/2004

b sts: th ro:

am mu:

em\_vi:\*
em\_htg\_hum:\*
em\_htg\_inv:\*
em\_htg\_other:\*
em\_htg\_other:\* 8t8:\*

Pred. No. is the number of results predicted by chance to have a em\_htgo\_hum: • em\_htgo\_mus: • em\_htgo\_other: •

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. SUMMARIES

						equality of		
Result No.	No.	Score	Query	Length	DB	ū		lon
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	4.	,	100.0		0	AX268/55	-	sednence
	~	-	00.0	7	9	AX268759	75	Seguence
	m	7	100.0		9	AX268753	75	Seguence
U	4	7	100.0		9	AX377258	725	Seguence
υ	S	7	100.0	-	9	AX573597	o	Sequence
o	9	7	100.0	70	9	AX573610	AX573610	Seguence
	7	7		10	9	BD007857	in	LPS activ
	œ	-		10	9	BD083254	S	Human mat
	6	7		11	9	AX470905	8	Sequence
	20	7	100.0	11	9	AX624159	AX624159	Seguence
	11	7	100.0	17	9	AX624334	AX624334	Sequence
υ	12	7		11	9	AX625574	AX625574	Sequence
	13	7		11	9	AX626182	AX626182	Sequence
	14	7	100.0	11	9	AX626780	AX626780	Sequence
υ	15	7		11	9	AX629189	AX629189	Sequence
	16	7		11	9	AX631580	AX631580	Sequence
	17	7	100.0	11	9	AX631755	AX631755	Sequence
υ	18	7	100.0	12	9	A91497	A91497 Se	
	19	-	100.0	12	9	AX573600	AX573600	Sequence
	20	7	100.0	12	9	AX573602	AX573602	
U	21	7	100.0	12	9	BD023279	BD023279	
	22	7	100.0	13	9	AR285089	AR285089	Seguence
	23	7	100.0	13	9	AR285099	AR285099	
v	54	-	100.0	13	9		AX018746	Sequence
	25	7	100.0	13	ø	AX523264		Sequence
	56	7	100.0	14	9	A33152	A33152 Sy	nthetic H
	27	7	100.0	14	9	AR082813	81	Sequence
	28	7	100.0	14	9	AR088823	AR088823	Sequence
	53	7	100.0	14	9	AX018748	ĭ	Sequence
	30	7	100.0	14	9	AX343036		Sequence
	31	7	100.0	15	9	A33153		Synthetic H
U	35	1	100.0	15	9	AR041154	AR041154	Sequence
	33	7	100.0	15	9	AR082814	8	Sequence
o	34	7	100.0	15	9	AR130719	3071	Sequence
	32	7		15	9	AR130720	3072	Seguence
	36	1	ė	15	9	AR131705	AR131705	Sequence
	33	7	100.0	15	9	AR132890	AR132890	Seguence
	38	7		15	9	AX018750	AX018750	Seguence
U	33	2	100.0	15	9	AX377250	725	Seguence
	9	7		15	9	AX587123	12	Sequence
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	5	•	100.0	7	٥	AR002583	AR002583	Sequence

ALIGNMENTS

PAT 29-OCT-2001 linear DNA 7 bp Sequence 3 from Patent WO0174342. AX268755 AX268755.1 GI:16541827 DEFINITION RESULT 1 AX268755 LOCUS VERSION SOURCE

Gilchrest, B.A., Yaar, M. and Eller, M. Use of locally applied dna fragments Patent: WO 0174342-A 3 11-0CT-2001, TRUSTES OF BOSTON UNIVERSITY (US) synthetic construct synthetic construct artificial sequences. ORGANISM TITLE JOURNAL RPERENCE AUTHORS

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Antibern, P. s. and Good, L. Antibern, P. s. and Good, L. Antiberis-free betterial strain selection with antisense molecules Parent: NO 02079467-A 710-CCT-2002; Noebenhavme Divisenter (CO) Location of CO) Location of Co
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                                                                                                                                                                                                            PAT 18-MAR-2002
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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/mol type="genomic DNA"
/db xref="taxon:32630"
/db xref="taxon:32630"
/db xref="gynthetic antisemse oligonucleotide"
/db xref= gynthetic antisemse oligonucleotide"
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                              Length 9;
                          Query Match 100.04; Score 7; DB 6; Le
Best Local Similarity 100.04; Pred. No. 4.5e+09;
Matches 7; Conservative 0, Mismatches 0;
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                                                                                                                                                                                                            DNA
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Haplotypes of the plasgle gene
Parent: WO 021262-A 20 14-FEB-2002,
Gentalesance Pharamacetticals, Inc. (US)
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No.
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- Matches 7; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 5.8e+09;
Marches 7; Conservative 0; Mismatches 0;
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BASE COUNT	ORIGIN Query Me Best Loc Matches Qy Db	RESULT 8 BD083254 LOCUS DEFINITION ACCESSION VERSION KEYMORDS SOURCE ORGANISM	REFERENCE AUTHORS TITLE JOURNAL COMMENT		FEATURES BOULCE BASE COUNT ORIGIN	Query Best Match Qy	RESULT 9 AX470905 LOCUS DEFINITION ACCESSION VERSION KEYNORDS SOURCE ORGANISM	REFERENCE AUTHORS TITLE JOURNAL FEATURES
ī	PAT 07-JAN-2003	sense molecules	0:1) is linked thylene glycol	0; Gaps 0;	linear . PAT 31-7AN-2002	Bureleostomi; Homo.	I PC 61845/00, PC	
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Herhod for detearmining homeostasis of the skin
Patent: WO 02053774-A, 3821 11-JUL-2002,
Henkel Kommandt gesellenfatt auf Aktien (DE)
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Sequence 6230 from Patent W002053774.
AX629189
                                                                           AX626780 11 bp DNJ
Sequence 3821 from Patent WO02053774.
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/organism="Homo sapiens"
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US-08-758-306-815
US-08-671-320-6
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Patent No. 6147056
GENERAL INFORMATION:
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APPLICANT: MATINY, Gerald
APPLICANT: Septron, Alton
APPLICANT: Septron, Alton
TITLE OF INVESTION: MALGEOTIDE AND AINO ACID
TITLE OF INVESTION: MALGEOTIDE AND AINO ACID
TITLE OF INVESTION: SEQUENCES OF C4.2, A THORSE SUPPRESSOR GENE,
TITLE OF INVESTION: SEQUENCES
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NAME: Beritdge, William P.
REGISTRATION NUMBER: 30,024
REFERENCE/DOCKET NUMBER: WPB 28596A
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FILING DATE: 7-JUN-1995
CLASSIFICATION: 435
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APPLICATION NUMBER: US 08/030,143
FILING DATE: 11-MAR-1993
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OPERATING SYSTEM: PC-DOS/MS-DOS
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Patent No. 5990294
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Patent No. 5976789
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TELEPHONE: 703-836-6400
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SEQUENCE CHARACTERISTICS
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STATE: Virginia
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STRANDEDNESS:
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                         RESULT 5
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Pacedrane 10. 5523768

O GREEN, INCOMPATION

A PRICIORT Residual, Late 6. T.

O PRICIORT RESIDUAL LATE 6. T.

O PRICIORT RESIDUAL LATE 6. T.

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APPLICANT: Remained, Ribard H.
APPLICANT: Remained, Ribard H.
APPLICANT: Remained, Ribard H.
APPLICANT: Memoined, Ribard H.
APPLICANT: Memoined, Ribard H.
APPLICANT: Memoined Self-Company (Ribard House)
TITLE OF INVESTION: Raidearts AND METHODS FOR DETECTION OF HEART PAILURE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
EARLIER FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 7;
100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/922,445
CURRENT FILING DARFE: 2001-08-03
NUMBER OF SEQ ID NOS: 51
SOFTWARE AttentIN version 3.1
SEQ ID NO 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 22, Application US/09922445
Patent No. 6528268
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                FEATURE:

OTHER INFORMATION: DNA Fragment
US-09-048-927-1
                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
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Best Local Similarity
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09-922-445-12
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TYPE: DNA
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AND METHODS OF USE THEREOF

FITLE OF INVENTION:

storage

MEDIUM TYPE:

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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APRILOWN: POSIT FOR THE OFFICE AND ERAGEN FOR THIR OF INVESTOR: METHOD AND ERAGEN FOR MARKED OF SECURIORS: SOUTHAN 'INC. ADDRESS, ADDRESS; ADDRESS;
COMPRIENT IN COMPACTED TO S. O. S. O. SERVING SYSTEM: INP P. C. O. S. O. S. O. SETTAME, INP P. C. O. S. O. SETTAME, INP P. C. O. S. O. SETTAME, INPOSED INTO, INP. S. O. S. O. SETTAME DATE: NO. S. O. S. O.
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
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OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
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PATCHER / AREA INCOMATION:
NAME: Wathurey, ARIChard J.
REGISTRATION NUMBER: 22,327
REFERENCE/COCKET NUMBER: 29,99/332
TELECOMONICATION:
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Patent No. 5693532
GENERAL INFORMATION:
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TELEBRANGE (1713) 955-0440
TELEBRANGE (5-15) 955-0440
INPORMATION FOR SED ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE : moleke ceid
STRANDENESS; single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
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TELECOMMUNICATION INFORMATION
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APPLICANT: Draper, Kenneth
APPLICANT: Pavco, Pam
APPLICANT: Woolf, Tod
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Best Local Similarity 71.1.
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APPLICATION NUMBER: US
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STATE: California
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US-08-334-847-24
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| AGUAUGA 11
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90071-2066
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APELCONT. Proper, Kenneth
APELCONT. PROCO, PAR
PELCONT. PROCO, PAR
TITLE OF INVERTION. INSIERTING RESIDANCEY
TITLE OF PREFICES. STRUCTLA URBS
TOWNERS OF STRUCTURES. STRUCTLA URBS
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TOWNERS OF TAXABLE A L
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WINDERS OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
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EB: 8511-009
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Patent No. 5693532
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Baldwin, Geraldine P
REGISTRATION NUMBER: 31,233
REFERENCE/DOCKET NUMBER: 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)7909090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (212)7909090
TELEPAX: (212)869B64
TELEX: 66141 PENNE
INFORMATION FOR SEQ ID NO: 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               O Query watch 100.08

G Beet Local Statistity 100.08

Matches 7; Conservative 1 AGTATGA 7

LI AGTATGA 7

AGTATGA 7

AGTATGA 6

AGTATGA 7

AGTATGA 7
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                                                                                                                                                                                                                                                                                                           STATE: NY
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 14 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: U.S.A.
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Copied from 09980559

TESULT 7

TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: (213) 489-1600

TELEPHONE:

LENGTH: 15 base pairs
TYPE: mucleic acid
TYPE: mucleic acid
TYPE: TOPOLOGY: linear
US-08-334-847-327

S AGUAUGA 11

1 AGTATGA 7

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Gaps
                                                                                            APRICANT: MATERIA GERIAL AND MATERIA SERVICES. ALTO APRICANT: BENTIACO, ALTO APRICANT: SENGLIA AND ANTINO ACTO PROPERTION: NUCLEOTION NUCLEOTION AND ANTINO ACTO PROPERTION: NUCLEOTION SEQUENCES OF D2-2 GERE ASSOCIATED WITH TITLE OF INVESTION: BALLY TEWARS AND METHODS BARED HERRON.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 7; DB 2; Length 15; 100.0%; Pred. No. 8.6e+03;
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APPLICANT: JARVIE, TAIA.
APPLICANT: Westigen, JANDAM.
TITLE OF INVESTION: METHOD AND REAGENT FOR THE
TITLE OF INVESTION: METHOD AND REAGENT TOLERAND.
TITLE OF INVESTION: MORE TOLERAND.
TITLE OF INVESTION: AND REVERSAL OF INVOIRE RESPONSES.
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                                                                                                                                                                                                                                                           NUMBER OF SEGUENCES: 20
CORRESPONDENCE ADDRESS:
STABLESSE: Pennie & Edmonde
STREET: 1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: DOS
SOFTWARES: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/747,121
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) Sequence 130, Application US/08585684B

Patent No. 5977021

; GENERAL INFORMATION:
US-08-747-121-4/c

) Sequence 4, Application US/08747121

) Patent No. 5874290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Baldwin, Geraldine F
REGISTRATION NUMBER: 31,232
REFERRINCE/DOCKET NUMBER: 851
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          08-NOV-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: Modified Base
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LENGTH: 15 base pairs
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Best Local Similarity 100.
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (212)8698864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
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                                                                            GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                   New York
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CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                        CITY: 1
STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Grandgenett, Duane
TITLE OF NURBATION: An in vitco method for concerted integration of
TITLE OF INVENTION: donor DNA molecules using retroviral integrase proceins.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The sequence is the bottom strand of M-2 US and the pSEM target of the top clone shown in Figure 14 of original application.
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                                                                                                                                                                                                    Query Match 100.0%; Score 7; DB 1; Length 15; Best Local Smilarity 71.4%; Pred. No. 8.6e03; Matches 5; Conservative 2; Minmatches 0; Indels Matches 5; Conservative 2; Minmatches 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%, Score 7, DB 1, Length 15;
100.0%, Pred. No. 8.6e+03,
tive 0; Mismatches 0, Indels
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COUNTY.

ZEP. 6314

ZOWITER SANABLE PORE: 1, 5 inch
COUNTER THE INCHESTOR CLICATION
COUNTY STEEL INCHESTOR CLICATION
CONTACT STEEL INCHESTOR CLICATION
CONTACT STEEL INCHESTOR
CONTACT MANAGER: NATIONAL MORA
CHEST APPLICATION NATION
TO THE CLICATION POSSES: USE OF THE CLICATION CLICATION
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TO THE CLICATION A CONTRACT OF THE CONTRACT OF

TOPOLOGY: linear MOLECULE TYPE: other nucleic acid

ANTI-SENSE: no ORIGINAL SOURCE: ORIGINAL SOURCE:

STRANDEDNESS: double

Best Local Similarity 100. Matches 7; Conservative

1 AGTATGA 7

9 AGTATGA 3

OTHER INFORMATION: OTHER INFORMATION:

US-08-671-071B-2 Query Match

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CONTINCE REMONANE PROFILE OF DISSECTION 1.44 PO PROFILE THE SECURITY PRISE ACCOUNTY PRISE ACCOUN
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FABLSEQ Version 1.5
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Percence 1315, Application US/085856848
Cartern No. SEVILORY
CREATE NO. SEVILORY
CREATE NO. SEVILORY
APPLICANT: Strickloom, Daniel T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 218/078
                                                                                                   ADDRESSEE: Lyon & Lyon
STREET: Gal West Fifth Street
STREET: Shite 4700
CTY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Lyon & Lyon
STREET: 633 West Pifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELERAX: (7.35) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 330
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15 base pairs
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
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ARRIGOMENT. Allibert, Patrice A.
MARICOMENT. Allibert, Patrice A.
MARICOMEN. Machael Bernard P.
MARICOMEN. Machael Bernard P.
MARICOMEN. Increy, Jean-Marie
TITLE OF INVENTION: SISTEM OF PROBES BRABLING HIA-DE TYPING
TITLE OF INVENTION: SISTEM OF DEPRESS BRABLING HIA-DE TYPING
MARBER OF SEQUENCES: 91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 7; DB 2; Length 15; 71.4%; Pred. No. 8.6e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
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WOUNTER, INTER, FORM,
WOUNTER, INTER, FORM,
OFFERATION, SYSTEM,
FORMARIA, PARENTER, RE-LOGA/MS-105
FORMARIA, PARENTER, RE-LOGA/MS-103
FORMARIA, PARENTER, RE-LOGA/MS-103
FORMARIA, PARENTER, RE-LOGA/MS-103
FORMARIA, PARENTER, RE-LOGA/MS-103
FORMARIA, PARENTER, PAREN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2; Mismatches
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APPLICATION NUMBER: US/08/585,684B
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APPLICATION MARBER: US 08/030,143
FILING DATE: 11-MAR-1993
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 218/078
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEPRAK: (213) 955-0440
                                                    PILING DATE: January 16, 1996
PRIOR APPLICATION DATA:
PRICATION NUMBER: 60/000,951
PLING DATE: UDLY, 1995
ATTORNEY/GENT INFORMATION:
NAME: WARDINGS, KODACH
REGISTRATION NUMBER: 32,327
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Patent No. 5976789
GENERAL INFORMATION:
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NAME: BERTIAGE, William P.
REGISTRATION WINNER: 30.024
REFERENCY/DOCKET NUMBER: WFB
TELECOMOUNICATION INFORMATION:
TELEFRONS: 703-836-6400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEX: 67-3510
INPORMATION FOR SEQ ID NO: 1315:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
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STREET: P.O. Box 19928
CITY: Alexandria
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Best Local Similarity 71.4
Matches 5, Conservative
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SEQUENCE CHARACTERISTICS:
LENGIH: 15 base pairs
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STRANDEDNESS: single
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ADDRESSEE: OLIFF & BE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-585-684B-1315
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ZIP: 22320
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APPLICANT: ASSAGRADA DIAGO APPLICANT: ASSAGRADA THE APPLICANT: ASSAGRADA THE APPLICANT: ASSAGRADA THE APPLICANT SIGNOCOME APPLICANT THE APPLICANT APPLICANT THE APPLICAN
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nucleic acid

STRANDEDNESS:

TOPOLOGY:

RESULT 15

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Query Match 100.0%; Score 7; DB 3; Length 15; Best Local Similarity 100.0%; Frad. No. 86-603; Thdels Morches 7; Conservative 0; Mismatches 0; Indels

1 AGTATGA 7

Search completed: January 1, 2004, 00:32:18 Job time : 27.3136 secs

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CORRESPONDENT ADDRESSE: WOOGCOCK Washburn Kurtz Mackiewicz 6 No. 6117847ris, LLP CTREX: To Got Liberty Place - 46th Floor CTREX: On Liberty Place - 46th Floor
                                                              GRNERAL INFORMATION:
** PARLICANT. C. FREMA Bennett, Nicholae M. Dean
** ATTLE OF INVESTIGN: OLICOMUCLEOTIDES FOR ENHANCED WOULATION OF
** TITLE OF INVESTIGN: ROOTEIN KINAGE C EXPRESSION
** NUMBER OF SEQUENCES: 69
                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORNGE
COMPUTER: IBM PS/2
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; Sequence 34, Application US/09094714A
; Patent No. 6117847
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FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 08/089,996
FILING DATE: 09-040.1933
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/852,852
FILING DATE: 16-MAR-1992
ATTORREY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Paul K. Legaard
REGISTRATION NUMBER: 38,534
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: WORDPERFECT 8.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: PC-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 3
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LENGTH: 15
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TOPOLOGY: linear
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GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd.

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December 31, 2003, 11:36:21; Search time 828.57 Seconds (Withbut alignments) 444.364 Willion cell updates/sec Run on:

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em htg mus: em htg pln: em htg rod: em htg mam: em htg vrt: em sy:

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score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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ALIGNMENTS

linear PAT 29-OCT-2001 DNA AX268753 9 bp Sequence 1 from Patent W00174342. AX268753 GI:16541825

AZ58753 LOCUS DEFINITION ACCESSION KEYWORDS SOURCE

synthetic construct synthetic construct artificial sequences ORGANISM REFERENCE AUTHORS TITLE JOURNAL

Gilchreet, B.A., Yaar, M. and Eller, M. Use of locally applied tha fragments Patent: WO 0174342-A 1 11-0CT-2001, TRUSTESS OF BOSTON UNIVERSITY (US)

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/note="The polypeptide KFFKFFKFFK (SBQ 1D NO:1) is linked
link N-Terminal of the PNA sequence via the ethylene glycol
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Llarity 100.0%; Pred. No. 8.9e+04;
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/mol_type="genomic DNA"
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Sequence 6 from patent US 6190866.
AR130719.1 GI:14119044
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//m.lype="genomic DNA"

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/noTe="Peptide nucleic acid SP4"
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/db_xref="taxon:32630"
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                Jocation/Qualifiers
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Unknown.

KEYWORDS SOURCE ORGANISM

AUTHORS

REFERENCE Cobied TITLE JOURNAL SEATURES JOURNAL

AR130720/c LOCUS

RESULT 6

DEFINITION ACCESSION Unknown

Bource

0 PAT 29-SEP-1999 ö PAT 29-SEP-1999 0; Gaps Gapa . Length 17; 100.0%; Score 9; DB 6; Length 17; 100.0%; Pred. No. 8.7e+04; Indels linear 100.0%; Score 9; DB 6; Length 17; 100.0%; Pred. No. 8.7e+04; tive 0; Mismatches 0; Indele Unclassified (hases 1 to 17)
Stinchtomb, D. T. and McSwiggen, J.A.
Stinchtomb, D. T. and McSwiggen, J.A.
Patent: US 5607743-A 369 15-6EP-1998. Unkrown

10 (Name) 1 to 17)

11 (Name) 1 to 17)

12 (Khaela 1 to 17)

13 Ethickhal J. Teceptor gamma-chain ribosymen

Patent: USE07743 371 15-SEP-1998; 1 (bases 1 to 17)
Stinchcomb, D.T. and McSwiggen, J.A.
Interleukin-Z receptor gamma-chain ribozymes
Patent: US 5807743-A 367 15-58P-1998; DB 6; Lei DNA AR039521 Seguence 369 from patent US 5807743. AR039521. AR039521.1 GI:5958884 Sequence 371 from patent US 5807743. AR039523 AR039523.1 GI:5958886 0; Mismatches 0; Mismatches 100.0%; Score 9; 100.0%; Pred. No. Location/Qualifiers /organism="unknown" Location/Qualifiers /organism="unknown" Location/Qualifiers /organism="unknown" 8 Query Match Best Local Similarity 100... 9, Conservative Query Match Bost Local Similarity 100. 1 GAGTATGAG 9 15 GAGTATGAG 7 1 GAGTATGAG 9 12 GAGTATGAG 4 3 a 3 4 Unknown. AR039523 Unknown. Unknown source DEFINITION sonrce DEFINITION Bource REFERENCE AUTHORS TITLE JOURNAL BASE COUNT ORIGIN 4R039521/c ORGANISM BASE COUNT ORIGIN ORGANISM AR039523/c JOURNAL BASE COUNT JOURNAL REFERENCE REFERENCE AUTHORS RESULT 10 KEYWORDS CEYWORDS PEATURES RESULT 9 PEATURES VERSION TITLE VERSION TITLE SOURCE ORIGIN 1,00CUS ઠ PAT 16-MAY-2001 PAT 29-SEP-1999 PAT 29-SEP-1999 Unclasmificad.
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The Linear Little Companies of the Companies Sequence 365 from patent US 5807743. AR039517 Sequence 367 from patent US 5807743. AR039519 0: Mismatches 0; Mismatches Sequence 7 from patent US 6190866. Location/Qualifiers /organism="unknown" AR130720.1 GI:14119045 AR039517.1 GI:5958880 AR039519.1 GI:5958882 9; Conservative 9; Conservative .15 1 GAGTATGAG 9 1 GAGTATGAG 9 14 GAGTATGAG 6 1 GAGTATGAG 9 17 GAGTATGAG 9 Query Match Best Local Similarity Matches 9; Conserv

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9 GAGTATGAG 1

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Shannon,M., Gu,Y. and Nguyen,C.T. Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.

Patent: EP 1281758-A 5855 05-PEB-2003;

mdz12

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Aeomica, Inc. (US) Location/Qualifiers

source

FEATURES

/organism="Homo sapiens" /mol\_type="genomic DNA" /db\_xref="taxon:9606"

BASE COUNT ORIGIN

DNA

Sequence 5855 from Patent EP1281758. AX693123

AX693123

AX693123/c LOCUS

RESULT 11

AX693123.1 GI:29416087

DEFINITION ACCESSION VERSION KRYNORDS

Homo sapiens (human)

Homo sapiens

ORGANISM

SOURCE

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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Mammalia, Butheria, Primates; Catarrhini, Hominidas, Homo.
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Best Local Similarity 0; Mismatches 0;
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/db_xref="taxon:9606"
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17 GAGTATGAG 9

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. Shannon,M., Gu,Y. and Nguyen,C.T. Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and

mdz12 Patent: BP 1281758-A 5856 05-PEB-2003;

Location/Qualifiers

Aeomica, Inc. (US)

Bource

FEATURES

/organism="Homo sapiens" /mol\_type="genomic DNA" /db\_xref="taxon:9606" 3

DNA

17 bp DN Sequence 5856 from Patent EP1281758. AX693124

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Shannon,M., Gu,Y. and Nguyen,C.T.
Upur human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz1z Patent: BP 1281758-A 5859 05-FEB-2003; Aeomica, Inc. (US) Location/Qualifiers source JOURNAL PEATURES

1...17 /organism="Homo sapiens" /mol\_type="genomic DNA" /db\_xref="taxon:9606" a S C 1 g 8 t

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GenCore version 5.1.6 Copyright (c) 1939 - 2003 Compagen Ltd.	OM nucleic - nucleic search, using sw model .	Run on: December 31, 2003, 11:36:21; Search time 260.089 Seconds (Without alignment) 93.410 Million cell updates/sec	Title: UB-09-540-843-1 Perfect score: 1 3agfatgag 9	Scoring table: IDENTITY NUC	Geartheui 2552/56 Meds, 1349/1901/ Festanes  Gotal number of hits satisfying chosen parameters: 2101872	Minimum DB seq length: 0	Gost-processing: Minimum Match 04  Maximum Mach 1004 Litering fixnet 45 summaries	1, (2,103)   (2,044)   (	12222	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Pred. No. is the number of results predicted by chance to have a socre greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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Eller M,

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iation; UV-induced dermatosis; ase; psoriasis; vitiligo; is; conjunctivitis; photoaging; eases p53 activity in a cell.

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DNA fragments useful for increasing p53 activity in a cell and reducing susceptibility to UV-induced hyperproliferative diseases -
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/note= "Optionally phosphorylated"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          and reducing susceptibility to skin cancer.
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                                                                                                                                      Claim 11, Page 29; 44pp; English.
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/mod_base= OTHER
/mod_s= "This sequence is a peptide mucleic acid, (i.e. it
contains a polyamide backbone instead of a deoxyribose
backbone.
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pyr gene downreyl afton; arcterial infection; viral infection; cancer;
metabolic diesaes; imminological disorder; PRA-clamping.
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/mod_base= OTHER
/mote= "The base is modified with Lys-NH2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Match 100.0%; Score 9; DB 23; Length 9; Local Similarity 100.0%; Pred. No. 2.9e-6.08; Lindals 9; Conservative 0; Mismatches 0; Indels 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 9 BP; 3 A; 0 C; 4 G; 2 T; 0 other;
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16-JUL-2001; 2001DK-0001117
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The invention retries to entering generalizing medicated comprising the invention of the continuous continuous
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present sequence is an antisense oligonucleotide (incorporated into a peptide nuisic acid (TRA) molecule) which targets the E. coli acpP gene (gene X in this example).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "C is covalently linked to the peptide appearing as ABG73942 via a polyethylene glycol motety"
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/bound moiety= "Bases 15..6 of the acpP sequence
appearing as ABX15967"
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100.0%; Score 9; DB 25; Length 10
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Matches 9; Conservative 0; Mismatches 0; Indels
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      Claim 24; Page 52; 92pp; English.
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                                                                                                                                                New peptide nucleic acid oligomer, useful as antisense molecules to treat baterial and viral infections, has single units comprising different emino acid backbones such as aminochyldycine.
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designed to detect single nucleotide polymorphisms and cytosine
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tive 0; Mismatches 0; Indels
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Set of oligonuclectides, useful for diagnosis and cell typing, is

Berlin K:

Olek A, Piepenbrock C, (EPIG-) EPIGENOMICS AG WPI; 2001-657177/75

07-APR-2000; 2000DE-1019173

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This interaction describes into a single nucleoted persons or peptid annutation and (PMA) oligoners for detecting single nucleoted persons of persons and and (PMA) oligoners for detecting single nucleoted persons of the persons of 
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Claim 1; SEQ ID 305165; 29pp + Sequence Listing; German
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100.0%; Pred. No. 1.1e+04
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NOTE: The sequence data for this patent did not from part of the printed appositional to the printed apposition but was obtained in electronic forms from NIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Oligonucleotide primer SEQ ID NO 321106 for detecting SNP TSC0030074.
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100.0%; Pred. No. 1.1e+04;
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                  3 GAGTATGAG 11
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ARIOUDLO-ARIB2003 represent the oligomers described in the invention.

Where The sequence data for this parent did not form part of the printed specification, but was obtained in electronic former from WIPO at
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Local Similarity 100.0%; Pred. No. 1.18-06.0
es 9; Conservative 0; Mismatches 0; Indele
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                                                                                                                                                                                                                           Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 other;
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(BPIG-) BPIGENOMICS AG

CONSCIPATION OF SCREEN STREET STREET

NO200177384-A2. Homo sapiens. 8-OCT-2001. WPI; 2001-657177/75 methylation status 1 GAGTATGAG 9

Query Match

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Gaps

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/mod_base_OTHER
/note= "OTHER = T monomer comprising
/note= "AC-260-maintechyl."N-(Ehymine-1-yl-acetyl)
derived from an unknown amino acid"
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N-(2-Boc-aminoethyl)-N-(thymine-1-yl-acetyl)
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N-(2-Bor-aminochty)-N-(thymine-1-y1-acetyl)
derived from an unknown amino acid"
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                                                                                         Piepenbrock C,
                             (BPIG-) BPIGENOMICS AG.
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                                                                                         Olek A.
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100.0%; Pred. No. 1.16+04;
Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; SEQ ID 326072; 29pp + Sequence Listing; German
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Berlin K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABI48017 standard, DNA, 12 BP.
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                                                                                                                                                                                                                                                                                        06-APR-2001; 2001WO-IB00713.
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es 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Olek A, Piepenbrock C,
                                                                                                                                                                                                                                                                                                                                                                                                         (EPIG-) EPIGENOMICS AG
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                                                                                                                       Homo sapiens.
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07-APR-2000; 2000DE-1019173

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Peptide nucleic acid; PNA; bacterial infection; 23S ribosomal RNA;
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                                                                                                                                                                                                                                                                                                                                                                                                                        New peptide nucleic acid monomer useful e.g. in the treatment of immunological disorders -
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metabolic disease; diabetes; metabolism; immunological disorder;
Gram-poslive; fram-negative; antilifective; ss.
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                                                                                                                                                                                                                                                                                                                         Puschl A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 1, Page 23; 58pp; English.
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                                                                                                                                                       03-JAN-2002; 2002WO-DK00005.
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                                                                                                                                                                                                                                                                                                                         Nielsen PE, Manoharan M,
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                                                                                                                     /notes TOTHER = T monomer comprising
//notes (1/2 Boc-mainosetki)-Pr (thymine-1-yl-acetyl)lysine
and is a C-terminal maide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention discloses peptide nucleic acid (PNA) monomers which can be
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Peptide nucleic acid; PNA; bacterial infection; 23S ribosomal RNA; rRNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          effect with different orientation of the peptide in relation to the PNA-sequence. The sequence presented is the modified PNA molecule, #8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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immunological disorders -
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metabolic disease; diabetes; metabolism; immunological disorder;
Gram-positive; Gram-negative; antilifective; ss.
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The invention comprise appetite analotic and (two) allogement, where the major units of the oligoment comprise different amon acid backbones nessergification are want or soft, such as in clinicities and exceptibilities (see). Subjection of the invention are useful for the downsquarking of specific gene by regarding the grown at the such of the downsquarking or specification are useful for useful for seasoning acceptant as the participation of the specific properties of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New peptide nucleic acid oligomer, useful as antisense molecules to 
tree bacterial and viral infections, has snaple units comprising 
different sainto acid backbones such as annoethylglycine.
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                                                                                                                                                                                                             /note= "The base is modified with Lys-NH2"
4S) pyrrolidone PNA monomer (A12)"
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/mod_base= OTHER
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06-MAR-2001; 2001DK-0000371.
16-JUL-2001; 2001DK-0001117.
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                                                      modified base
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/mcd_base= OTHER
mod_be= "Optional (38, SR) pyrrolidone PNA monomer or (2R,
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aminoethylgytoine; agg; aminoethylportly; agg; aminoethylportly; age; aminoethylportly; age; appropriation; pacterial infection; viral infection; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gabs
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Excht (Salk Interface Analysis Laboratory (SIGNAL) Salk Institute Geromic Analysis Laboratory (SIGNAL) As Salk Institute for Biological Studies 10010 N. Torrey Pines Read, La Jolla, CA 92037, USA Pax: 858 558 6379
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Fax: 858 558 6379
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(-Lone lib-whouse 10Kb plasmid UNGCIM library

//note="Vector: PMD47ny; Purified genomic DNA from M.

muscullus C57BL/6J (male) was obtained from the Jackson
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Ecker
Contact: OSesph R. Ecker
Task Institute Genemic Analysis Laboratory (SIGHAL)
The Salk Institute for Biological Studies
Thou N. Torrey Fines Read, La Johla, CA 92037, USA
Tel: 658 453 4100 A1752
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Email: dunnagemetics.utah.edu
Inmert Length: 10000 Std. Brror: 0.00
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/mol type="genomic DNA"
/strain="C5781,60"
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clone="UUGCIM0534H17"
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Location/Qualifiers
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ACCESSION ORGANISM REFERENCE JOURNAL

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Ministrative of Utah Genome Center
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10.02 DNA linear GSS 13-DEC-200
110.02.70.22F Mouse 10kb plasmid UDCLM library was musculus genomic
clone UUCCLM042732 F, genomic survey sequence.
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Best Local Similarity 100.0%; Pred. No. 1.8e-05;
Marches 8; Conservative 0; Mismatches 0;
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Insert Length: 10000 Std Brror: 0.00
Plate: 0298 row: J column: 20
Seg primer: CACACAGGAAACAGCTATGACC
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/mol_type="genomic DNA"
/strain="C578L/64"
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Location/Qualifiers
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Fax: 801 585 7177
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directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html" a 10 c 4 g 9 t
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RESULT 4

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RESULT 5

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indicates an insertice within the loans defined by Chee Filt. The
the context of the GMBI-Amb project, GMBI-Amb is part of the General Bukaryoča; Viridiplantae; Streptophyta; Embryophyta; Pracheophyta; Spraatophyta; Magnoliophyta; editocyledona; ore eudicots; rosida; entrogida II; Brassicales; Brassicacee; Arabidopsis. Rosso.M., Strizhov.N., Li.Y., Reiss.B., Dekker.K. and Weisshaar.B. A new Arabidopsis thaliana T-DNA mutagonised population (GABI-Kat) for flanking sequence tag based reverse genetics Unpublished Memory of interest principles, the contents of Strizhov, N., Li, Y., Rosso, M., Viehoever, P., Dekker, K., Saedler, H. Gaps 'O'cgraintaw-Hono espiens'
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'No. Type="MRNA"
'No A pipeline for automated high-throughput generation of FSTs (flanking sequence tegs) from Arabidopsis thallana T-DNA transformed lines .. 88.9%; Score 8; DB 14; Length 27; Llarity 100.0%; Pred. No. 1.9e+05; Conservative 0; Mismatches 0; Indels Confact: Kohichi Itoh
Thefture for Wolecular and Cellular Biology
Osaka University
The Yangadas, Sulta, Osaka, 565, Japan
Tel: 06-877-5111 x3910 Arabidopsis thaliana (thale cress) Arabidopsis thaliana Location/Qualifiers Homo sapiens (human) Homo sapiens 06-877-1922. and Weisshaar, B. Best Local Similarity Matches 8, Conservat 1 GAGTATGA 8 24 GAGTATGA 17 Unpublished 13 7719923 Query Match ORGANISM BASE COUNT ORIGIN DEFINITION ORGANISM MEDLINE PUBMED COMMENT JOURNAL JOURNAL REFERENCE TITLE AUTHORS ACCESSION VERSION JOURNAL AUTHORS FEATURES RESULT 8 AL766985 TITLE TITLE COMMENT SOURCE

ONICIN  Query Match  12.21; Score 7.4; DB 12; Langth 17;  See Local Smallarity (8.34) Fred No. 38e065;  Nather 8: 1 contractive (1. Mismatches 1; Indels 0: Caps 0;  OY 1. OUTHOROG 9  DB 11 SANITATO 6  REHITTO REHITTO (1. Mismatches 1) Indels 0: Caps 0;  NATATTS1 (1. Mismatches 1) December 8: 10 December 9: 10 December 8: 10 December 9: 10 December 9	SURPRINGE SET STREET,	Facil 134 985 100 Facil 135 98	A CORDON PROSECUE STATES AND A CORDON PROSECU
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Mus musculus (house mouse) Mus musculus

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AZ358656.1 GI:10472356

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AZ358656

ACCESSION RESULT 11

AZ358656/c LOCUS

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84112, USA
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M. Reach M. Rosel, B. Stokes R., Tingsy, A., von Niederhausern, A.
and Hright, D., Weiss R., Stokes R., Tingsy, A., von Niederhausern, A.
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University of Utah Genome Center
University of Utah
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/mol_type="genomic DNA"
/strain="C57BL/6J"
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Fax: 801 585 7177
Email: ddunn@genet
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University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymere Research Bldg., 20 S. 2030 B., SLC, UT
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/clone_lib=Wouse 10kb plasmid UNGCIM library"
/clone=Vector: PMD4Znv, Purified genomic DNA from M.
muscullus GS7BL/6J (male) was obteined from the Jackson
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Mismatches
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/organism="Mus musculus" /mol\_type="genomic DNA" /strain="C578L/63" /db\_xref="taxon:10090" /clone="UUGC1M0101K12"

"sex="Male"

High quality sequence stop: 19. Location/Qualifiers

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รฐกับ on 05/19/2004

82.2%; Score 7.4; DB 28; Length 19;

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AMOS12007 Mouse 10kb plasmid Survey sequence.
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                                                                                Query Match 82.2%; Score 7.4; DB 28; Length 19; Bert Local Similarity 88.9%; Pred. No. 46-65; Mentches 8; Conservative 0; Mismatches 1; Indels
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/mol type="genomic DNA"
/strain="C578L/63"
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University of Utah Genome Center
University of Utah
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/clone="UUGC1M0512D07"
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Fax: 801 585 7177
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Obligative Of Ush Genome Center
Indiversity of Utah
Indiversity of Utah
Rm. 308, Biomedical Polymers Research Bidg., 20 S. 2030 E., SLC, UT
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//note="Vector: RM04zry, Purified genomic DNA from M.
musculus C5/BL/6J (female) was obtained from the Jackson
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Mammalia; Euthoria; Rodentia; Sciurognathi, Muridee; Musinae; Mus
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Dunn, D., Abyagi, A., Barber, M., Beacom, T., Duvai, B., Hamil, J., Rail, J., Rail, M., Mongacre, S., Mahmodd, M., Menemi, S., Pedersen, T., Reilly M., Rose, R., Yookes, R., Tringey, A., von Nadarhausern, A. and Wright, D., Weiss, R.
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Fax: 901 585 7177
Eax: 101 585 7177
Eax: 1 ddunm@gnnetics.utah.edu
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Flate: 0275 row: K column: 15
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strain="C57BL/6J"
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'clone="UUGC2M0275K15"
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тыным ображения 09980559 on

BASE COUNT

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0; Gaps 0;

Score 7.4; DB 28; Length 21; Pred. No. 4.2e+05; 0; Mismatches 1; Indels

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Search completed: December 31, 2003, 19:41:09
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Matches 8; Conservative
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/cloch lib=Whouse lobb plassald UNCCH Tibrery*

hote="Pecror: PRD42ny, Purified genemic DNA from M.

mmentime GYBL/G (maie) was obtained from the Jackson

Laboratory Wouse DNA Resource
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                                                                                                                                                                                                           Gabe
                                                                                                                                                                                                           ö
                                                                                     Ouery Match 82.2%; Score 7.4; DB 28; Length 20; Best Local Similarity 88.9%; Fred No. 4.1e-07. And Matches 9; Conservative 0; Mismatches 1; Indels Matches 9; Conservative 0; Mismatches 1; Indels
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Fai. 801 585 7177
Email ddunmaganetics.utah.edu
Timert Length: 10000 5£d Error: 0.00
Flate: 0068 row: B column: 05
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Seg primer: CACACAGAMACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 21.
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/mol_type="genomic DNA"
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/strain="C57BL/6J"
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/clone="UUGC2M0068B05"
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FORWALL
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DRIGIN
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Page 1

88.9 15.2 88.9 15.3 88.9 16.1 88.9 16.2 88.9 17.3	34 6 88.9 18 1 US-07-689-55C-8 35 6 88.9 18 1 US-08-365-56 37 8 88.9 18 2 US-08-355-56-10 37 8 88.9 18 2 US-08-474-379C-8	8 88.9 18 2 US-09-213-768-29 8 88.9 18 3 US-09-146-2493-8 8 88.9 18 3 US-09-263-766-80 9 88.9 18 3 US-09-533-70-33	45 44 45 45 45 45 45 45 45 45 45 45 45 4	CHIMNOSPHICA A.V.	ALLOWERSTOR 1 - 577-1 18 CO-106 - 57705 18 CO-10	APPLICART: Littlerer, Bartara A.	ANALIER PLING DATE: 1996-06-03   SARLIER PRICKITON UNBER: 06-67,012   SARLIER PLING DATE: 1995-06-06   NUMBER OF EBQ ID NOS: 4	SOFFWARE Fasters for Windows Version 3.0 SED IN 0.1 TORE IN 0.1 TO	S S S S S S S S S S S S S S S S S S S	55 App		App. Namello organismostics: 3 concentral monthly consistency making organismostics: 3 concentral monthly consistency monthly consistency monthly monthly monthly monthly monthly contral mont
Comystight (0.1989 - 2004 Compagen Led. OM mucleic - mucleic search, using ew sodel.	Run on: December 31, 2003, 14:40:05; Search time 34:9747 Seconds (Without alignment alignment) 113:581 Million cell updates/sec	Title: Perfect acore: 9 940-843-1 Sequence: 1 9agtatgag 9	able:	Searched: 569978 segs, 220691566 residues		60-thbase : 1 maned 10-three 200-three 200-thr	Pred. No. is score greater and is derive	SUPPORTES  Support Overy Mach Length DB ID Description	9 100 0 1 9 1 US-00-0048-27-1 9 100 0 15 1 US-00-0048-28-7 9 100 0 15 4 US-00-005-28-7 9 100 0 15 4 US-00-922-400-7 9 100 0 17 1 US-00-758-760-75	7 9 100: 0 17 1 102-08-758-206-567 Sequence 3 9 9 100: 0 17 1 103-08-758-3-106-369 Sequence 3 10 9 100: 0 17 1 103-08-758-3-106-371 Sequence 1 10 9 100: 0 20 3 105-92-87-796-101 Sequence 1 11 9 100: 0 20 3 105-92-87-796-102 Sequence 1	9 000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	24 4 10: 00: -0.456.92 26 4 10: 00: -0.45622 27 4 10: 00: 00: 00: 00: 00: 00: 00: 00: 00:

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Gaps
                                                                                                                                                 OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-lysine-glycine OTHER INFORMATION: backbone
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                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                     100.0%; Score 9; DB 3; Length 15
100.0%; Pred. No. 1.5e+03;
NAME/KEY: Modified-site
LOCATION: 14
OTHER INPORMATION: N-acetyl (2-aminoethyl) glycine
OTHER INPORMATION: backbone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & ADDRESSEE: No. 6300318ris LLP
STREET: One Liberty Place - 46th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICART: Nielen et al.
TITLE OF INVESTION: Peptide Nucleic Acide Having
TITLE OF INVESTION: Antibaccerial Activity
NUMBER OF SEQUENCES. 23
                                                                                                                                                                                                                                                                                 0; Mismatches
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 Anch disk
COMPUTER: IBM FC compatible
COMPUTER: IBM FC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Septemeber 16, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 6, Application US/08932140C
Patent No. 6300318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: John W. Caldwell
REGISTRATION NUMBER: 28,937
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TELECOMMUNICATION INFORMATION
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: MICCOSOFT WORD
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0
                                                                                                          NAME/KEY: Modified-site
LOCATION: 15
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LOCATION: 3
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Best Local Similarity 100...
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 bases
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CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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STRANDEDNESS: single
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CITY: Philadelphia
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                                                                                                                                                                                                           OTHER INFORMATION: N-acetyl (2-aminoethyl) glycine OTHER INFORMATION: backbone
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OTHER INFORMATION: N-acetyl (2-aminoethyl) glycine
OTHER INFORMATION: backbone
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OTHER INFORMATION: backbone
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OTHER INFORMATION: backbone
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OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
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OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
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OTHER INFORMATION: N-acetyl (2-aminoethyl) glycine
OTHER INFORMATION: backbone
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OTHER INFORMATION: backbone
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OTHER INFORMATION: backbone
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OTHER INFORMATION: backbone
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OTHER INFORMATION: N-acetyl (2-aminoethyl)glycine
OTHER INFORMATION: backbone
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OTHER INPORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INPORMATION: backbone
FRATURE:
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OTHER INFORMATION: backbone
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LOCATION: 3
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LOCATION: 8
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TELEPAX: 215-568-3439
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 bades
                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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LOCATION:
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LOCATION: 8
OTHER INFORMATION: N-acetyl (2-aminoethyl) glycine
OTHER INFORMATION: backbone
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OTHER INFORMATION: N-acetyl (2-aminoethyl)glycine
OTHER INFORMATION: backbone
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OTHER INFORMATION: backbone
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OTHER INFORMATION: backbone
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OTHER INFORMATION: backbone
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backbone
ADDRESSEE: No. 6300318ris LLP
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/932,140C
                                                                                                                                                                                                                                                                                                                                                                                                                                    Septemeber 16, 1997
                                                                                                                                                                                                                                MEDIUM TYPE: 3.5 inch disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: John W. Caldwell
REGISTRATION NUMBER: 28,937
REFERENCE/DOCKET NUMBER: IS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
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LOCATION: 6
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NAME/KEY: Modified-site
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                           COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
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1207710N: 13
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
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OTHER INFORMATION: N-acetyl (2-aminoethyl)glycine backbone
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OTHER INFORMATION: N-acetyl (2-aminoethyl)glycine backbone
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OTHER INFORMATION: N-acetyl (2-aminoethyl) glycine backbone
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OTHER INFORMATION: N-acetyl (2-aminoethyl)glycine backbone
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OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
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OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
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OTHER INFORMATION: N-acetyl (2-aminoethyl) glycine backbone
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GREENL INFOMATION CONTROL AL
APPLICANT: WRIAMS C A.
TITLE OF SEQUENCES: OCCUPANTION APPLICATION APPLIC
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backbone
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lysine-glycine backbone
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Best Local Similarity 100.0%; Pred. No. 1.5e403;
Matches 9; Conservative 0; Mismatches 0;
                                                                                                                                                                                                           NAME/KEY: Modified-site
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LOCATION: 10
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LOCATION: 11
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100.0%; Score 9; DB 1; Length 17; 100.0%; Pred. No. 1.5e+03;
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1379
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ASSOCIATED WITH
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MEDIUM TYPE: storage
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OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FARESGY Version 1.5
CURRENT APPLICATION DATA:
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Patent No. 5807743
                               December 3, 1996
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STREET: 633 West Fifth Street
STREET: Suite 4700
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                                                                                                                                                                                                                          FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
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TELECOMMUNICATION INFORMATION
TELEPHONE: (213) 489-1600
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TELECOMMUNICATION INFORMATION
TELEPHONE: (213) 489-1600
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NAME: Warburg, Richard J
REGISTRATION NUMBER: 32,
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 17 base pairs
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Best Local Similarity 100.
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INFORMATION FOR SEQ ID NO:
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STRANDEDNESS: single
TOPOLOGY: linear
                                                                        CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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ZIP: 90071-2066
COMPUTER READABLE FORM:
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ADDRESSEE: Lyon & Ly
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STATE: California
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CLASSIFICATION:
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LOCATION: 9
OTHER INFORMATION: N-acetyl (2-aminoethyl) glycine
                                                                                                                                                                                                                                                          LOCATION: 10
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
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OTHER INFORMATION: backbone
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OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
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OTHER INFORMATION: backbone
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OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
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OTHER INFORMATION: lysine-glycine backbone
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PAPICAWT STEACHGOOD, Dan T.
TILLS OF INVESTICAL NEETHON AND REAGENT FOR THE
TITLES OF INVESTICAL TREATMENT OF DISEASES
TITLES OF INVESTICAL INTELLEGED WITH
TITLES OF INVESTICAL INTELLEGED WITH
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
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OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FRAESGG VEFRION 1.5
CURRENT APPLICATION DATA:
US/08/798,306
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633 West Fifth Street
Suite 4700
                                                                                                                                                                                                                NAME/KEY: Modified-site
LOCATION: 10
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LOCATION: 12
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CORRESPONDENCE ADDRESS:
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THE PROPERTION

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STATE: California
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2 09:33:09 2004

Fri Jan

: 17 base pairs nucleic acid

single

linear STRANDEDNESS: , TOPOLOGY: US-08-758-306-367

SEQUENCE CHARACTERISTICS

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APRICANT: Medya, Robert A.
APRICANT: Medya, Alcholae M.
APRICANT: Monia, Metholae M.
APRICANT: Monia, Metholae M.
APRICANT: Monia, Metholae M.
TITLE OF INVESTICAN ATTERISES CLOCAUCISTICS COMPOSITIONS AND METHODS
TITLE OF INVESTICAN ATTERISES CLOCAUCISTICS COMPOSITIONS AND METHODS
TITLE OF INVESTICAN ATTERNOODING TO WE REPORT METHODS
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                                                                                                                                                                   GREAL PROMATIONS
APPLICANT: STICHCOCOD, Dan T.
APPLICANT: STICHCOCOD, Dan T.
TITLE OF INVESTION: TREATMENT OF DISEASES
TITLE OF INVESTION: ABSOCIATION WITH STORY
TITLE OF INVESTION: ABSOCIATION WITH STORY
ITTLE OF INVESTION: CAPACITION OF THE STORY
NAMED OF SEQUENCES: 1379
CORRESSIONED APPLICATION OF THE STORY
OFFICES APPLICATIONS
TO STREET OF SEQUENCES: 1379
CORRESSIONED APPLICATION OF THE STORY
CORRESPONDED APPLICATION OF THE STORY
CORRESPONDED
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100.0%; Pred. No. 1.5e+03;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: 1BM Compatible
OPERATING SYSTEM: 1BM P.C. DOS 5.0
SOFTWARE: PeatSeq Version 1.5
CURRENT APPLICATION DATE.
APPLICATION NUMBER: US/08/75,306
FILING DATE: December 3,1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      212/132
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Patent No. 6133246
                                                                             Sequence 371, Application US/08758306
Patent No. 5807743
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Lyon & Lyon
STREET: 633 West Pifth Street
STREET: Suite 4700
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TELEPAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 371:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32.3
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION
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Best Local Similarity 100.
Matches 9; Conservative
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CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS
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STRANDEDNESS: single
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STATE: California
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ZIP: 90071-2066
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RESULT 9
US-08-758-306-371/c
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US-08-758-306-371
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                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                     Query Match 100.01, Score 9; DB 1; Length 17; Best Local Similarity 100.01; Pred; Mo. 15-603; Indels Matches 9; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.5e+03;
ative 0; Mismatches 0;
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MEDIUM TYPE: Storage
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SOFTWARE: PastSeq Version 1.5
CURRENT APPLICATION DATA:
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Gaps

TELEFRA (1417)
TREATHER (8-45) ID NO. 169:
INFORMER (8-45) ID NO. 169:
SEQUENCE OLAS-CHERISTELES
TERET (17 beach pairs
TERET (17 beach pairs)
TERET (17 beach pairs)

Ouery Match 100. Best Local Similarity 100. Matches 9; Conservative

US-08-758-306-369

FILING DATE: ATTORNEY/AGENT INFORMATION: NAME: Warburg, Richard J. REGISTRATION NUMBER: 32,327 TELECOMMUNICATION INFORMATION: (213) 489-1600 (213) 955-0440

TYPE: DNA PEATURE: LENGTH:

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FILE REFERENCE: 3053-4052
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0, Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 9; DB 3; Length 20; 100.0%; Pred. No. 1.5e+03;
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             TITLE OF INVENTION: FOR THE MODULATION OF JNK PROTEINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.0%; Score 9; DB 3; Le
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Macches 9; Conservative 0; Mismatches 0;
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                                                       PLIE REFERENCE: 1509H-0318
PLIE REFERENCE: 1509H-0318
ENALISE APPLICATION NUMBER: 105/910,629
ENALISE APPLICATION NUMBER: 00/910,629
ENALISE FILLING DARTS: 1298-09-03
NUMBER: 0F 280,10 NOS: 178
SERVICE NO 10019
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CTHER INFORMATION: Synthetic sequence
US-09-130-616-101
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Patent No. 6221850
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Batent No. 6403360
GENERAL INFORMATION:
APPLICANT: Blanar, Michael A.
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APPLICANT: Gribock, Valentin K.
APPLICANT: Leveque, Paul C.
APPLICANT: Little, Wayne A.
APPLICANT: Webbauer, Wichael G.
APPLICANT: Yang, Wen-Pin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
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                                         CURRENT APPLICATION NUMBER 1115/196A CURRENT APPLICATION NUMBER 1115/1950-01-07 CURRENT PELLING DATE: 1599-04-07 CURRENT PELLING DATE: 1599-06-07 CURRENT APPLICATION NUMBER: 06 1910, 629 EARLIER PELLING DATE: 1599-06-03 CURRENT OF SEQ ID NOS: 165 SEQ ID 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Synthetic Sequence
US-09-287-796-101
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Patent No. 6221850
GENERAL INFORMATION:
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FILE REFERENCE: ISPH-0350
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O Not Construct 100 01, Score 10 61, Length 20, Owterhoad Statisticy 100 010, Peece 10 15 64, Length 20, Owterhoad 100 010, Peece 100 1, See 100 1, 
CURRENT APPLICATION NUMBER: US/09/105,058C
                                                                  CURRENT FILMS DATE: 1399-06-26
PRIOR APPLIONING NUMBER: US 66/055,599
PRIOR FILMS DATE: 1399-06-12
SOFFWARE: PROIL NOS: 28
SOFFWARE: Petentin Ver. 2.1
LENGTH: 20
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ORGANISM: Artificial Sequence
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SELT 15

SEQUENCE 19

SEQUENCE

Ouery Match
Dear Similarity 100.0%; Score 9; DB 4; Length 20;
Dear Local Similarity 100.0%; Pred. No. 1.56-03;
Matches 9; Conservative 0; Mismatches 0; Indels 1 GAGTATGAG 9

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19 GAGTATGAG 11

Search completed: January 1, 2004, 00:32:18 Job time : 35.0858 secs

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Copyright (1799 - 2004 Compugen Led Copyright (1799 - 2004 Compugen Led OM mucleic - mucleic search, uning nw model Run on: December 31, 2003, 17;100 (without 11) 256 586 Million	Perfect across 10 -99-540-641-1 Perfect across 10 -99-540-641-1 Sequences 1 -99-940-940 Section table 108FITTY 900-950 -00 -00 -00 -00 -00 -00 -00 -00 -00 -		1000000

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Sequence 1, Application US/10122633 Publication No. US20030032611A1 GENERAL INFORMATION:

US-10-122-633-1

RESULT 2

APPLICANT: Gilchrest, Barbara A.

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APPLICANT: CHEN, Mennberg
APPLICANT: CHEN, MENDARY AND WOSILE.
TITLE OF INVESTIONNED, WYOSIN-LIKE GRNE EXPRESSED IN HUMAN HEART AND MUSCLE
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100.0%; Pred. No. 1.7e+04;
tive 0; Mismatches 0; Indels
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CURRENT APPLICATION NUMBER: US/10/150,779A
CURRENT FILING DATE: 2003-02-07
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CURRENT FILING DATE: 2001-05-25
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PRIOR FILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
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Patent No. US20020048800A1
GENERAL INFORMATION:
                                                       Sequence 16, Application US/10150779A
Publication No. US20030125241A1
GRNERAL INFORMATION:
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PRIOR FILING DATE: 2001-05-18
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PATENTIN Ver. 2.1
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PENN, Sharron G.
HANZEL, David K.
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Best Local Similarity
Matches 9; Conserva
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US-10-150-779A-16/c
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SERIE 3. 19.779.16/C
SERIE 4. 19.779.16/C
SERIE 5. 
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Length 9; 0: Indels

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OTHER INFORMATION: Synthetic DNA Fragment

ORGANISM: Artificial Sequence COTHER INFORMATION: Synthetic GEO-122-633-1

CONSTRUCTOR SANTH STATE SANTH SAN 1 GAGTATGAG 9 1 GAGTATGAG 9

NUMBER OF SEQ ID NOS: 15 SOFTWARE: FastSEQ for Windows Version 4.0

CURRENT APPL CURRENT FILING PRIOR APPLIC PRIOR PILING PRIOR FILING PRIOR FILING PRIOR FILING SOFTWARE: 9 SOFTWARE: 9 LENGTH: 9

OTHER INFORMATION: Description of Artificial Sequence: Synthetic; OTHER INFORMATION: Oligonucloetide
[0.10-150-7794-15]

TYPE: DNA ORGANISM: Artificial Sequence

SEQ ID NO 15

ENGTH

CURRENT APPLICATION NUMBER: U6/10/150,779A
CURRENT FILMO DEFE: 2003-02-07
CURRENT FILMO DEFE: 2003-02-07
PRIOR PRIOR PLICES: 2001-05-18
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Pacentin Ver. 2.1

Owery Match 100.0%; Score 9; DB 15; Length 12; Dest Local Similarity 100.0%; Pred. No. 1.7e-04, Matches 9; Conservative 0; Mismatches 0; Indela

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APPLICANT: 11. YOUNG HE SHEET OF THE STEEL OF THE SHEET AND MISCLE THE SHEET OF THE
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CURRENT PRILATION DATE: 300.1-10-35
RICH PRILATION DATE: 300.1-10-35
RICH PRILATION DATE: 300.1-10-35
REGOR PLILATION ROBERS: 300.10-35
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REGOR PLILATION ROBERS: 300.20-35
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                                                 PRIOR PELICATION WNRER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER PO SEQ ID NOS: 119752
SOFTWARE: Accelica Sequence Lidating Engine
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Aeomica Sequence Listing Engine
SBO ID NO 2752
LENGTH: 17
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
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PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
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PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 12552
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Patent No. US20020048800A1
GENERAL INFORMATION:
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Best Local Similarity 100.
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||||||||||
8 GAGTATGAG 16
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US-09-866-108-2751
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US-09-866-108-2752
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100.0%; Pred. No. 1.7c+04;
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PRIOR PATCHEN MARKS - PET/1851/1066.
PRIOR PATCHEN MARKS - 2001-01.30 (1906.)
PRIOR PATCHEN MARKS - 1001-01.30 (1906.)
PRIOR PATCHEN MARKS - 1001-01.30 (1906.)
PRIOR PATCHEN MARKS - 1001-01.00 (1906.)
PATCHEN MAR
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SENT 6
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OWGANISH: None sapteme
office 109-461-108-1790
Date: Local Stallarty 100
Matches 9; Connervative
1 GAGTAYGAG 9
9 GAGTAYGAG 17
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US-09-866-108-2754

100.0%; Score 9; DB 9; Length 17; 100.0%; Pred. No. 1.7e+04;

Mismatches

Best Local Similarity 100. Matches 9; Conservative

Query Match

1 GAGTATGAG 9

2753, Application US/09866108

0; Indels

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APPLICANT: SHANDON, Mark<sup>-</sup>
TITLE OF INVENTION: WYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE REPRENDENS, ABOMICA-7
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Beef Local Similarity 100.0%; Pred. No. 1.7e-404; 
Matches 9; Conservative 0; Mismatches 0; Indels
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PRIOR PLIANS DARE. 2000-09-27
PRIOR PLIANS DARE. 2000-09-27
PRIOR PLIANS DARE. 2000-09-27
PRIOR PLIANS DARE. WARES. PUTUROL/0666
PRIOR PLIANS DARE. WARES. PUTUROL/0666
PRIOR PLIANS DARE. 2000-09-27
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CURRENT FILING DATE: 2001-05-25
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PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR PLICATION NUMBER: PCT/USO1/00663
PRIOR PRICATION NUMBER: PCT/USO1/00662
PRIOR PLICATION NUMBER: PCT/USO1/00663
PRIOR PLICATION NUMBER: PCT/USO1/00663
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PRIOR APPLICATION NUMBER: PCT/US01/00670
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PRIOR PRILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR PLING DATE: 2000-10-04
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Patent No. US20020048800A1
Sequence 2754, Application US/09866108
Patent No. US20020048800A1
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ARRICONT, BANK, David R. ...
ARRICONT: CHRV Membron
ARRICONT: SHAWNON, MARK
TILE OF INVENTION HOUSTLIKE GENE EXPRESSED IN HOWN HEART AND MUSCLE
FILE REPRESSEC: AROUNCE, 1
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CHEST TITLE DATE: 100:05-35 (100:05-35)

THE STATE TITLE DATE: 100:05-35 (100:05-35)

Query Match 100.0%; Score 9; DB 9; Length 17; Beet Local Similarity 100.0%; Pred. No. 1.7e-44; Metches 9; Conservative 0; Mismatches 0; Indels

GACTATGAG 14

RESULT 9

PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR APPLICATION DATE: 2001-02-05 SOPTWARE: Acomica Sequence Listing Engine SEQ ID NO 2753

BNGTH

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APPLICANT: CREM, Wensbeng
APPLICANT: SHANNON, Mark
TITLE OF INVESTION: MYGGIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR PILLING DATE: 2001-01-30
PRIOR PILLING NAMER: PET/USDA/10661
PRIOR PILLING NAMER: PET/USDA/10679
PRIOR PILLING NAMER: 1091-01-30
PRIOR PILLING NAMER: 1091-01
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 2756
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CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
                                                                       ILING DATE: 2001-01-30
PPLICATION NUMBER: PCT/US01/00667
                                                                                                                                                        PRIOR FILING DATE: 2001-01-30
PRIOR PRILING DATE: 2001-01-30
PRIOR PRILING DATE: 2001-01-30
PRIOR PRILING DATE: 2001-01-30
PRIOR PRILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
                                   PCT/US01/00666
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PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR PILING DATE: 2001-02-05
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PRIOR FILING DIRE. 2000-05-26
PRIOR APPLICATION NUMBER: GB 2233.6
PRIOR PILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
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Patent No. US20020048800A1
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2000-09-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Homo sapiens
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Best Local Similarity
Matches 9; Conserv
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                          MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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CHREEN FELLING WITH: 2001-06-25
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CURRENT FILING DATE: 2001-05-25
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PRIOR APPLICATION WINBER: US 60/207,456
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Patent No. US20020048800A1
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CURRENT FILING DATE: 2002-10-25
NUMBER OF SEQ ID NOS: 674
SOFTWARE: PatentIn version 3.0
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FILING DATE: 2000-09-21
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Publication No. US20030190635A1
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Patent No. US20020045590A1
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PRIOR FILING DATE: 2001-01-30
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ORGANISM: Rattus rattus
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US-09-866-108-2758
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CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
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Search completed: January 1, 2004, 01:10:34 Job time : 105.924 secs

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ALIGNMENTS

Gilchrest, B.A., Yaar, M. and Bller, M. Use of locally applied dns fragents Patent: WO 0174342-A 2 11-OCT-2001, TRUSTES OF BOSTOM UNIVERSITY (US) REFERENCE AUTHORS TITLE JOURNAL

Page 2

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SUMMARIES

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DNA fragments useful for increasing p53 activity in a cell and reducing susceptibility to UV-induced hyperproliferative diseases
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ACC41655 standard; DNA; 10 BP.
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Zinc finger protein DNA-binding domain target sequence SEQ ID NO:202.
                             21-MAY-2003 (first entry)
ACC41655;
             ×5×8
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Zinc finger domain; zinc finger; zinc finger binding domain; probe; chimeric nucleic acid; library; PCR primer; ss.

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Kim J, Bae K, Park K, Kwon Y, Ryu E, Hwang M;
                                                                                                                                                                                   17-AUG-2001, 2001US-313402P.
22-APR-2002; 2002US-374355P.
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                                                                                                                                                                                                                                                       (TOOL-) TOOLGEN INC.
                                           402003016571-A1
                                                                                       27-FEB-2003.
Synthetic.
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New library comprising polypeptides having zinc finger domains, useful for producing chimeric nucleic acids

4PI, 2003-268344/26

The present invention describes a liter or second lite films to dealing the dealing of operating the operations of each polypetide a complete a filter or second lite films to dealing the dealing of each polypetide are intention to complete and intention to complete and intention of complete and intention of continuous continuous mentality contring pretent in a difference configuration has intention to proper dealing the continuous configuration has intention to produce of continuous continu Claim 40; Page 101; 234pp; English. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

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This invention describes novel, objectivectie prises or peptide muchate and (RMA) oligomen for detecting single muchated polymorphisms (SRP) and options methylation settlem in charge and options of the control methylation settlem in the charge of the control methylation of the control methylation settlem is obtained by the control methylation of the control methylation 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.
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                                                                                                                                                                                                                                                                                                                                                                                                                               SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
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                                                                                                                                                                                                                                                                                                                                                              Oligonucleotide primer SEQ ID NO 279026 for detecting SNP TSC0006799.
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Similarity 100.0%; Pred. No. 2.9e+04;
9; Conservative 0; Mismatches 0;
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The library can be used for producing chimeric nucleic acids. ACC41551 to ACC41558 and ABR40919 to ABR41015 represent nucleotide and amino acid
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                                                                                                                                                                                                                                                                                     Gaps
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                                                                                sequences given in the exemplification of the present invention.
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                                                                                                                                          Sequence 10 BP; 3 A; 0 C; 5 G; 2 T; 0 other;
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MAINTENT THE SEQUENCE GREEN ED FOR THIS PARENT Glid not form part of the printed
specification, but was obtained in a Lebriconic format from MIPO at
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peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.
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Ouery Match

Obser Local Similarity 100.04; Score 9; DB 23; Length 12;

Obser Local Similarity 100.04; Pred. No. 2.9e-04;

Olymtches 9; Conservative 0; Mismatches 0; Indels

ABH86802 standard; DNA: 12 BP.

22-FEB-2002 (first entry)

ABH86802;

06-APR-2001; 2001WO-IB00713.

W0200177384-A2

Homo sapiens.

SULT 7
A ABH86802/C
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A ABH8680
A ABH8680
A ABH86802/C
A AB

07-APR-2000; 2000DE-1019173.

Sequence 12 BP; 4 A; 0 C; 6 G; 2 T; 0 other;

Claim 1; SEQ ID 28361; 29pp + Sequence Listing; German.

Berlin K;

Olek A, Piepenbrock C, (EPIG-) EPIGENOMICS AG

WPI; 2001-657177/75. methylation status

06-APR-2001; 2001WO-IB00713.

WO200177384-A2.

18-OCT-2001

Homo sapiens.

07-APR-2000; 2000DE-1019173.

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Query Match 100.0%; Score 9; DB 23; L
Best Local Similarity 100.0%; Pred. No. 2.9e+04;
Matches 9; Conservative 0; Mismatches 0;
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100.0%; Pred, No. 2.9e+04;
ive 0; Mismatches 0; Indels
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NOTE: The sequence data for this patent did not form part of the printed
specification, but was obtained in electronic forms from WIPO at
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ABI14652 standard; DNA; 12 BP.

Sequence 12 BP; 3 A; 5 C; 0 G; 4 T; 0 other;

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               SMP, single nucleotide polymorphism; human; diagnosis: PNA; cancer; CNS; peptide nucleic acid, oytosine methylation; cardiovasoular; primer; peptide nucleic acid, sytosine methylation; cardiovasoular; primer; central nervous sytem; gastrointestinal; respiratory; immune; metabolis;
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ORGANISM Mus musculus	Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi, Mammalia, Butheria, Rodentia, Sciurognathi, Muridae, Murinae, Nus.			Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly	"M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.	and Wright, D., Weiss, R.		plasmid inserts	NAL Unpublished	T Contact: Robert B. Weiss	University of Utah Genome Center	University of Utah	Rm. 308, Biomedical Polymers Research Bldq., 20 S. 2030 E., SLC, UT	84112, USA	Tel: 801 585 5606	Fax: 801 585 7177	
ORGANISM		REFERENCE	AUTHORS				TITLE		JOURN	COMMENT							
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				ed by chance to have a	of the result being printed,	ore distribution.					Description		AZS00675 1M0339J10	AZ393773 1M0157B04	AZ387199 1M0146P20	AZ645664 1M0511C13	
				results predicted by chance to have a	to the score of the result being printed,	of the total score distribution.		SUMMARIES							AZ387199 1M0146P20	AZ645664 1M0511C13	
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PEATURES

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DGONGAGESTRY OF URAB GENOME CENTER
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Plate: 0339 row: J column: 10
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(Class: plasmid ends
High quality sequence step: 19. organism="Mus musculus" /mol\_type="genomic DNA" /strain="C57BL/63" /db\_xref="taxon:10090" /clone="UUGC1M0339310" Location/Qualifiers

/clone\_lib="Mouse 10kb plasmid\_UUGCIM library" /note="Weccor: PMDAdrav, Purliked genomic DMA from M. musculus C57BL/G1 (male) was obtained from the Jackson lab\_host="E. Coli strain XL10-Gold, T1-resistant, F-

sex="Male"

Laboratory Mouse DNA Resource

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4Z387199/c DEFINITION

RESULT 3

ACCESSION KEYWORDS

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GSS 02-OCT-2000 Mus musculus (house mouse) AZ387199.1 GI:10500900 AZ387199

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Life Technologies ostalog #: 11546-013
DNA Sequencing by: Mashington University Genome Sequencing Center
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Colone lib="Mouse lubb plasmid unCGLM library"
Anches*Vector: PRNAINY: Purified genomic DNA from M.
musculus C57BL/61 (male) was obtained from the Jackson
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Ilmser Length: NoOO Std Error: 0.00
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Homo sapiens
Tel: 801 585 5606
Fax: 801 585 7177
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University of Urah Genome Center
University of Utah '9.
Iniversity of Utah '9.
Rm. 308, Blomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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                                        Email: ddunnagenetics.utah.edu
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/mol type="genomic DNA"
/strain="C578L/67"
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//notes_Organ_pancreas, Vector: pOW.SPORT6, Site 1: Sall;
Site_2: Not1; Cloned unidirectionally. Primer: Oligo dT.
Notarge insert size 1.72 kb. Life Technologies catalog #:
11546-013**
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Charact: Robert B. Weise
University of Utah Genome Center
University of Utah Genome Center
Sin 308 a Stometical Polymers Research Bldg., 20 S. 2030 E., SIC, UT
Clone distribution: NCI-CGAP clone distribution information can be clone distribution information can be cloud through the I.N. A.G. B. Comporttum/LLMI at: www-bio.llni.gov/bbrp/finage/lmage.html
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Mammalia; Butheria Rodentia; Ediurognathi; Muridae; Murinae; Mue.
1 (Daese 1 to 22)
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1140155809F Mouse 10kb plasmid UUCCIM library Mus musculus genomic cione UUCCIM library Mus musculus genomic cione UUCCIM library Mus musculus genomic cione UUCCIM library Mus
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Islam, H., Longerce, S., Nahmoud, M., Neenen, E., Pedersen, T., Reilly
, A., Rose, M., Bose, R., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Neise, R.
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100.0%; Pred. No. 6.2e+05;
Live 0; Mismatches 0; Indels
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Insert Length: 10000 Std Error: 0.00
Plate: 0185 row: M column: 09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /tissue_type="adenocarcinoma"
/lab_host="DH108"
/clone_lib="NCI_CGAP_Pan1"
                                                                                                                                                                                                    Trace considered overall poor quality
Insert Length: 1010 Std Brror: 0.00
Seq primer: -40UP from Gibco
High quality sequence scop: 1.
Location/Qualifiers
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Seg primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
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/mol_type="genomic DNA"
/strain="C5781/63"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2295174"
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/clone="UUGC1M0185M09"
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Location/Qualifiers
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Fax: 801 585 7177
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17H0343E24R Mouse lokb plasmid UUGCIM library Mus musculus genomic
close UUGCIM0343E24 R, genomic nurvey sequence.
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/note="Vector: pSPORT I; Site_1: Sall; Site_2: Notl; Directional"
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Pred. No. 6.3e+05;
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Insert Length: 10000 Std Error: 0.00
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Seg primer: CACACAGGAACAGCTATGACC
Class: plasmid ends
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/mol type="genomic DNA"
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University of Utah Genome Center
University of Utah
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/clone="UUGCIM0343B24"
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Pax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . 24
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Kumar, S., Gomoor, B.R., Dodds, R.A., Halsey, W., Van Horn, M., Mao, J., Sathe, G., Mil, P., Agarwal, P., Badger, A.M., Lee, J.C., Gowen, M. and
                                                                      Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GlaxoSmithKline
709 Sweddiand Road, P.O. Box 1539, King of Prussia, PA 19406, USA
1891: 610-27245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BG925475 24 bp mRNA linear EST 06-NOV-20
HNC5-1-C6.R HNC (Human Normal Cartilage) Homo sapiens cDNA, mRNA
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/Mol_Expes"RRNF
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Email: sanjay kumar-10gsk.com
Seg primer: T7.
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Bequence.

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Length 24; 0, Indels

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Matches

Query Match Best Local Similarity 1 TAGGAGGA

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University of Utah Genome Center
University of Utah Genome Center
Rm. 308, Blomedicar Polymers Research Bidg., 20 8. 2030 E., SLC, UT
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                                                             A4491057
114024124F Mouse 10kb plasmid UUGCIM library Mus musculus genomic cione UUGCIM library Mus musculus genomic cione UUGCIM 104040148 F, genomic curvey sequence.
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Insert Length: 10000 Std Error: 0.00
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Seg primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
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/strain="C57BL/6J"
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clone="UUGC1M0324124"
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Fax: 801 585 7177
Email: ddunn@genet
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               32491057
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SALK 019058-23.05.x Arabidopsis thalians TDNA insertion lines
Arabidopsis thalians genomic clone SALK 019058-23.05.x, genomic
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This is single pass sequence recovered from the left border of

ecker@salk.edu

'organism="Arabidopsis thaliana"

Class: TDNA tagged. Location/Qualifiers

source

199/2004

/mol\_type="genomic\_DNA" /strain="Columbia 0" /db\_xref="taxon:3702"

Arabidopsis Genome

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27 bp mRNA linear EST 06-DEC-2002
E012698-024-021-P06-SP6 MPIZ-ADIS-024-developing root Beta vulgaris
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Lamopseki, M., Stahl, D., Mruck, W., Menze, A., O Brien, J., Lehrach, H.
and Radelof, U.
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/cultivar="KWS2320 (double haploid, monogerm breeding line
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SALK 103141.14.55.x Arabidopsis thaliana TURA insertion lines
Arabidopsis thaliana genomic clone SALK 103141.14.55.x, genomic
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( bases 1 to 27)
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10,04; Pred. No. 6.64-05;

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Intiversity of Utah Genome Center
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/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0333H09"
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Fax: 801 585 7177
Email: ddun@genetics.utah.edu
Innert Length: 10000 Std Erro
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Neise
Contact: Robert B. Neise
Iniversity of Utah Genome Center
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                                                                                                                             Bmail: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
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Sag primer: CGTTGTAAAACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 28.
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strain="C57BL/6J"
db_xref="taxon:10090"
clone="UUGC1M0302J04"
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Fel: 801 585 5606
Fax: 801 585 7177
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Search completed: December 31, 2003, 19:41:13 Job time : 1038.09 secs

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6		. Pub	Publication No. US20030032610A1	No. US20	0300326	1041	
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CURRENT FILING DATE: 2003-01-08
NUMBER OF SEO ID NOS: 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 169, Application US/0982945A Publication No. US20030143535A1 GENERAL INFORMATION:
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Publication No. US20030180764A1
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CURRENT PRILATORY MARE: USO-104, 108-109.
CURRENT FILMS OWNER: USO-104, 108-109.
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PRIOR FELLING DIFF. 2000-03-31
PRIOR APPLICATION NUMBER: PCT/USD1/10162
PRIOR FILING DATE: 2000-03-30
NUMBER OF SEQ 110 NOS: 15
SOFTWARE: PSESEED for Mindows Version 4.0
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Publication No. US20030032611A1
GENERAL INFORMATION:
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Best Local Similarity 100.0%; Pred. No.3.6e-04;
Matches 9; Conservative 0; Mismatches 0.
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Best Local Similarity 100.04; Pred. No. 3.6e-04;
Onservative 0; Mismatches 0;
                                                                                                                                                                                                                                     ) OTHER INFORMATION: Antisense Oligonucleotide US-09-828-344-162
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CURRENT FILING DATE: 2001-04-06
NUMBER OF SEQ ID NOS: 176
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Publication No. US20030044979A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 163, Application US/09828344
Publication No. US20030044979A1
GENERAL INFORMATION:
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LENGTH: 20
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LENGTH: 20
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TYPE: DNA
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                             PRICERT: Sharp, illustrate, illustrate, illustrated applications of the processing structure of the best best best series of the presence in t
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                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/339,793
CURRENT FILING DATE: 2003-01-08
NUMBER OF SEQ ID NOS: 443
SOFTWARE: PatentIn version 3.1
Lynx Therapeutics, Inc
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Best Local Similarity 100.
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FILE REFERENCE: 22542-008

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APPLICATE: William GAVE. WILL TITLE OF CONNECTIVE TISSUE GROWTH FACTOR EXPRESSION OF CONNECTIVE TISSUE OF CONTRACT FILLING DAYS. 2001-12-10
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TILLS OF TRANSTICN Compensations and Methods of Increasing Stress Tolerance
TILLS OF TRANSTICN: In Plants
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100.0%; Pred. No. 3.6e+04;
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APPLICANT: WeyAMO, COTTAILA M.
TITLE OP INVENTION: RHEUMATOID ARTHRITIS MARKERS
FILE REPERENCE: 07039-251001
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CURRENT FILING DATE: 2011-03-23
NUMBER OF SEQ ID NOS: 23
SOFTWARE: FastCSEQ for Windows Version 4.0
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                                                                    Sequence 104, Application US/10006191
Publication No. US20030144223A1
GENERAL INFORMATION:
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Dublication No. US20030167535A1
GENERAL INFORMATION:
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OTHER INFORMATION: primer for PCR
6-09-816-814-13
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Paset Local Similarity 100.04

O Matches 5 Conservative
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Matches 9, Conservative
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SEQ ID NO 104
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US-10-006-191-104
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MERICANT. PRATES, DESCRIPTION RETURNS AND CONFESTIONS FOR THE DIAGNOSIS OF CANCER SUGGESTIELLY TILLS OF INVARIENCE WHICH SERVICE AND CONFESTIONS AND TREATMENT THEORY OF CONFESTIONS AND TREATMENT THEORY THE
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100.0%; Pred. No. 3.6e+04;
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Best Local Similarity 100.0%; Pred. No. 3.6e004;
Matches 9; Conservative 0; Mismatches 0;
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CORRENA PACTOCINC NUMBER: U6/10/160,764
CURRENY FILING DATE: 2002-05-31
PACT APPLICATION NUMBER: 05/244,766
PRICH FILING UNITE: 3001-05-31
PRICH FILING UNI
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Publication No. US20030204075A9
GENERAL INFORMATION:
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US-10-165-099-341/c
Sequence 41, Application US/10165099
Publication No. US20030188326A1
GENERAL INFORMATION:
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ORGANISM: Artificial sequence
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SOFTWARE: Patentin version 3.1
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### PROFITE TO MARKET 18 64/18-176

### PROFITE TO MARKET 18 64/18-178

### PROFITE TO MARKET 18 64/18

GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

December 31, 2003, 11:36:22 : Search time 644.443 Seconds (withbut alignments) (444.364 Million cell updates/sec Run on:

Gapop 10.0 capext 1.0
Gapop 10.0 capext 1.0
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Gotal number of hits setisfying chosen parameters:
Gatiman 88 seq length: 0
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Gost-processing: Minimum Match 04
Maximum Match 1004
Liating Eirst 45 summaries

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gb ba: \* gb htg: \* GenEmbl: \*

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gb\_un: gb\_vi: em\_ba: em\_fun:

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em\_htgo\_other:\* em\_htgo\_hum: .

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. SUMMARIES

	Description	10	29	AX268753 Sequence	28	97 S	10 Segu	57	54	05	59	334	7.4		AX626780 Sequence		80	31755		S	AX573602 Sequence	Σ	9		S	AXS23264 Sequence	ξ٩	. "	00	9	Syn	4	814	AR130719 Sequence	1700	000	50 8	250	23	0	23	Se.	777670 6000000 32
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ALIGNMENTS

linear DNA AX268755 7 bp Sequence 3 from Patent W00174342. AX688755 1 GI:16541827

LOCUS DEFINITION ACCESSION

RESULT 1 AX268755

PAT 29-OCT-2001

artificial sequences synthetic construct synthetic construct VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS

Gilchrest, B.A., Yaar, M. and Eller, M. Use of locally applied tha fragments Patent: WO 017432-A 311-0CT-2001, TRUSTEES OF BOSTON UNIVERSITY (US) TITLE

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Nielsen, P.E. and Good, L.
Antiblocki-free bacterial strain selection with antisense molecules
Petent: WO 20079467-A 7 10-OCT-2002;
Koebenhavns Univesitet (IK)
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Mammalia, Butherla, Primates, Catarrhini, Hominidae, Homo.
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                        Query Match 100.01; Score 7; DB 6; Le
Best Local Similarity 100.01; Pred. No. 4.5e409;
Oraches 7; Conservative 0; Mismatches 0;
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/mol_type="genomic DNA"
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Seguence 20 from Patent WO0212562.
AX377258
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Sequence 7 from Patent WO02079467.
AX573597
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
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ilarity 100.0%; Pred. No. 5.8e+09;
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Seef Local Similarity 100.0%; Pred. No. 5.84-09;
Astrofie 7; Conservative 0; Mismatches 0;
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/note="Synthetic DNA Fragment"
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                           /organism="synthetic construct"
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Mammalia, Butheria, Primates, Catarrhini, Mominidas, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Sequence 1375 from Patent W002053774.
AX624334
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                              AX626780 11 bp DNA
Sequence 3821 from Patent W002053774.
AX626780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AX629189 11 bp DNA
Sequence 6230 from Patent WO02053774.
AX629189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
3 c l q 3
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
0 c 3 q
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Job time : 646.443 secs
                                                                          AX626780.1 GI:28454818
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                                                                                                         Homo sapiens (human)
Homo sapiens
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AUTHORS
TITLE
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	10 24 ABK99556 10 24 ABK41394 10 24 AAK41399 10 24 AAK5680 10 24 AAK57881	24 ABL42801 25 ABL15951 25 ABX15964 24 ABV63414	11 24 ABV63589 11 24 ABV64829 11 24 ABV65437	11 24 ABV0835 Human 11 24 ABV0835 Human 11 24 ABV70835 Human 11 24 ABV71010 Human	11 24 ABQ86727 12 19 AAV40922 12 20 AAX19080	12 23 ABH67740 12 23 ABH68353 12 23 ABH70774 12 23 ABH71335	12 23 ABH71445 12 23 ABH71785 12 23 ABH74658	12 23 ABH74660 12 23 ABH75445 12 23 ABH78137		ALIGNMENTS	T 1 694 AAZ10694 etandard; DNA; 7 BP.	AAZ10694; 23-MXV-1999 (first entry)	Oligonucleotide sequence that increases p53 activity in a cell.	pg3 activity. Uv mientici Uv-iradiation; Uv-induced dermacosis; "Induced hypoproliferative disease; paorisasis, vitiligo; skopic demacatis; allergic rhinitis; conjunctivitis; photoaging;	Synthetic.	GB2336157-A. 13-CCT-1999.	24-MAR-1999; 99GB-0006758.	266-MAR-1998, 98US-0048927. (UYSO-) UNIV BOSTON.	Olichreet BA, Yaar M, Blier M; WPI, 1999-543520/46.
9 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 15 17	5222	22 23	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	31	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		944	6 4 4 6 4 8		SUL								
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	OM muclesc - muclesc search, using me andel.  Run on: December 31, 2000, 11:6121, Genton time 302,391 Seconds  (without alignments)  91,310 Million cell updates/sec	Title: US-09-540-843-3 Sequence: 1 agratga 7	Scoring table: IDBNTITY NUC Gapop 10.0 , Gapext 1.0	Searched: 2552756 8egs, 1349719017 residues  Cotal number of hits satisfying chosen parameters: 2101872	Minimum DB seq length: 0	Oct-processing: Miniaum Match 00 Marcham Match 100 Marcham Match 100 Marcham Match 100 Marcham 100 Marcham Match 100 Marcham Match 100 Marcham 100 Mar		N M 4 I	0000		12 (\$100 \) (\$90 \) (\$	AAA	20:	23 - / SIDBL/Godden / Genesery Genesery ent-MA2018 D.NT: - 25 - / SIDBL/Godden / Genesery Genesery ent-MA2002 D.NT: - 25 - / SIDBL/Godden / Genesery Genesery ent-MA2003 D.NT: - 25 - / SIDBL/Godden / Genesery Genesery Genesery Company - cmb/NA2003 D.NT: - 25 - / SIDBL/Godden / Genesery Genesery Genesery - cmb/NA2003 D.NT: - 25 - / SIDBL/Godden / Genesery - Cmb/NA2003 D.NT: 25 - / SIDBL/Godden / Genesery - Cmb/NA2003 D.NT:	Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by manlysis of the total score distribution.		Result Query No. Score Match Length DB ID Description	7 20 AAZ10694 7 23 AAS14907 7 23 AAS14911	4 7 100 0 9 20 AAA1082 OLD AA

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Result No.	Score	Query	Query Match Length DB 1	DB	ar	Description
-	7	100.0	1	20	AAZ10694	o epitoelonnoilo
7	1	100.0	7	23	AAS14907	Melanogenesis ass
e	7	100.0	7	23	AAS14911	Melanogenesis ass
4	1	100.0	6	20	AAZ10692	Oliconclectide
S	7	100.0	ď	23	AAS14905	Melanogenesis ass
9	7	100.0	10	21	AAZ78995	Buman dendritic co
7	4	100.0	10	21	AAZ86425	Metastatic breast
80	7	100.0	10	22	AAH32760	T.PS acrivated him

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          The investing describes inhibition of meanising sciential, call profiteration by treating calls with at less one oligomocloscies, or its fragment. The companied, which have prosestic, call callscilled, manual and an anti-inflamentory, demanciograph, ophthalmological, anti-profittic and manual appropriet early cart test cancers among early or and an artificial and an artificial and application that the contraction and artificial and a proliferation that they approach induces of a tumon measure if cort inhibitor. Treably they after properties of the Manual DNA demans, or processed DNA-damage intermediates by Thronical the pipe NA demans, or processed DNA-damage intermediates by Thronical the pipe NA demans, or processed DNA-damage intermediates by Thronical the pipe.
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anti-inflammency; dermeschogical; ophthalmological; anti-percitatic;
immunosuppositivo; DM respirit; profileration inhibitor; approximative
tumour necrosis fencer inhibitor; photosping; hyperpoliferative disease,
continues; notificative stress inkin namero; allergy mediated inflammation;
conjunctivitis; allergic fihintis; vitiligo; me.
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     DNA fragments useful for increasing p53 activity in a cell and reducing susceptibility to UV-induced hyperproliferative diseases
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                                                                                                                               NAZ10692-97 represent DNA fragments that are used for increasing p53
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100.0%; Pred. No. 3.7e+08;
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                                                                                                                                                                                                                                                                                                        and reducing susceptibility to skin cancer.
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                                                                                 Claim 11; Page 30; 44pp; English.
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The manuscribility to Out-flowers and the manuscribility of Out-flower
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resulting in transient arrest of cell growth, allowing more time
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### Sequence 7 BP; 3 A; 0 C; 2 G; 2 T; 0 other;

Gaps ö 100.0%; Score 7; DB 23; Length 7; 100.0%; Pred. No. 3.7e+08; 0; Indels 0; Mismatches Local Similarity 100. ses 7; Conservative

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Melanogenesis associated oligonucleotide #7.
AAS14911 Standard, DNA; 7 BP
                                                                                                                              14-FEB-2002 (first entry)
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Melhantim, melhangenit onlineper; pyrotenteric mari-altegic; 533; anti-diffuseratory detremeblogical; ophthalmalogical; anti-prolitatic; immunosperatory detremeblogical; ophthalmalogical; anti-prolitatic; ammunosperatory impured; prolitatic in inhibitor; apportant; rumon; necrosis fencer inhibitor; photoaging; hyperpoliferative disease; carefunea, ordative stress skut nanore allergy mediated inflammation; conjunctivitis, allergic rhinktis; vittligo; se.

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'note "Phosphorylated"
Location/Qualifiers
                                    base=
                          -tag=
                                 pow/
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Eller M; 30-MAR-2001; 2001WO-US10162 31-MAR-2000; 2000US-0540843 Silchrest BA, Yaar M, (UYBO-) UNIV BOSTON. WPI; 2001-626338/72

Inhibiting proliferation of epithelial cells, useful e.g. for treating extrinem, using specific oligonucleotides that mimic the effects of ultra-violet light. Claim 1, Page 38; 74pp; English

The invention of describes in the first into epithalia call, and proliferation by treating calls with the compound, which have opticated, and all stagic, the compound, which have opticated, and larged, to the fragment of the compound, which have opticated, and larged, to make the compound of the invention. 

# Sequence 7 BP; 3 A; 0 C; 2 G; 2 T; 0 other;

ö 100.0%; Score 7; DB 23; Length 7; 0, Indels 3.7e+08, 0; Mismatches Pred. No. 100.001 7; Conservative Local Similarity Query Match

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Gaps

AGTATGA 7 1 AGTATGA

AAZ10692 standard; DNA; 9 BP AAZ10692;

(first entry) 23-NOV-1999

Oligonucleotide sequence that increases p53 activity in a cell.

88465999444689

UV-induced hypotyroliferative disease; psoriasis; vitiligo, expor demarkits; allergic rhinitis; conjunctivitis; photoaging; skin cancer; ss. 553 activity, UV mimetic; UV-irradiation; UV-induced dermatosis,

Synthetic.

3B2336157-A. 13-OCT-1999

99GB-0006758. 98US-0048927. 24-MAR-1999; 26-MAR-1998;

(UYBO-) UNIV BOSTON.

Eller M; Gilchrest BA, Yaar M, PI: 1999-543520/46

DNA fragments useful for increasing p53 activity in a cell and reducing susceptibility to UV-induced hyperproliferative diseases

Claim 11; Page 29; 44pp; English

AAZ10692-97 represent DNA fragments that are used for increasing p53

eactivity, in a cell. The objectuatedness are as up with state of an opposite colls against anabequent exposure to Unitradation or compensation in a bipmonocolities are useful for increasing \$55 activity flameses, reactivity and opposite of the are useful for increasing \$55 activity flameses, reactive perfect and opposite of the area of the Sequence 9 BP; 3 A; 0 C; 4 G; 2 T; 0 other; 8888888888

Length 9; Similarity 100.0%; Score 7; DB 20; Length 9; Similarity 100.0%; Pred. No. 2.9e+08; 7; Conservative 0; Mismatches 0; Indels Best Local Similarity Query Match Matches

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Gaps ô

> 1 AGTATGA 7 AGTATGA 8

ò g RESULT 5 AAS14905

AAS14905 gtandard; DNA; 9 BP 14-FEB-2002 (first entry) AAS14905;

Melanogenesis associated oligonucleotide #1.

Melahin; malanogenic; oligomer; oyrostatic; anti-allengic; p3)
anti-tiffamancop; demaclogical; ophilanological; anti-paoriatic;
immanosuppressivo; DNA repair; proliferation inhibitor; apopoosa;
immanosuppressivo; DNA repair; proliferation inhibitor; apopoosa;
corputation in coddative stress; skin cancer; allengy modated inflammation;
corputations; coddative stress; skin cancer; allengy modated inflammation; conjunctivitis, allergic rhinitis, vitiligo, ss.

Synthetic.

Location/Qualifiers \*tag= Key modified\_base

/mod\_base= g /note= "Optionally phosphorylated"

WO200174342-A2 11-OCT-2001. 30-MAR-2001; 2001WO-US10162

31-MAR-2000; 2000US-0540843 (UYBO-) UNIV BOSTON. Eller M; Yaar M, WPI; 2001-626338/72. Gilchrest BA,

Inhibiting proliferation of epithelial cells, useful e.g. for treating carcinoma, using specific oligonucleotides that mimic the effects of ultra-violet light

Claim 1; Page 36; 74pp; English.

The invention describes institution of manialize epithalia cell proliferation by treating earlies at least one Oligomorleotide, or far fragment. The compounds which have protestate, arti-allergic, anti-inflammatory, deramatological, ophthalmological, anti-protatate and amamonouppeasing estitutes, function a witza-voint emisser to chindre NAM, repair processes (or a protective response to later exposure to radiation or chemicals), as a proliferation inhibitor, apoptosis inducer on the tunor necrosis factor inhibitor. Probably the main oproduces of ONA damage, to processed NNA-damage intermediates, by inducing the p51 

Fri Jan

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publibay, regular of course fraces of cell growth, alloring more time for DBA regular to occur. Mefore cell division takes place. The method is specially used to reservoir cells and as also be used to reservoir cells and the cells of the c
Complement of the property of
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Sequence 9 BP; 3 A; 0 C; 4 G; 2 T; 0 other;
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Gaps . 100.0%; Score 7; DB 23; Length 9; 100.0%; Pred. No. 2.9e+08; 0; Indels Mismatches ö

Human dendritic cell SAGE tag, SEQ ID NO:1423.

SAGE tag; sorial mahighigs of gene oppression; antigen-presenting cell; presented procedure description of the control of the

98US-0090077. 98US-0090078. 98US-0090079. 98US-0090080 98US-0111715 Roberts BL, Shankara S; GENZYME CORP. 4PI; 2000-106077/09 SHAN/) SHANKARA S. 19-JUN-1998; 19-JUN-1998; 19-JUN-1998; 38-DEC-1998; 19-JUN-1998; GENZ ) ROBE/) 

9400600-SD86

19-JUN-1998

Isolated polynucleotides differentially expressed in antigen-presenting cells, useful in gene vaccines against cancer -

Sequences AA777573-77909 represent SARE (equip analysis of gone more presental ingo used to identify mRNA transcripe encoding finances intalecty of accord procession in the second procession and according to the second procession in the second according to the second ac Claim 1; Page 105; 130pp; English.

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Wectors contacting them are used in gent betrapt, occarbantistration of tumor antiques and APC-sesciated costisualscop factors snatures adequate antique presentation to endegenciated costisualscop factors ensures adequate presentation of co-stimulatory signals, migration to T coll-rich stor-presentation of co-stimulatory signals, migration to T coll-rich stor-scortion of Toul sprowth Actors and secretion of chemokines for recorriems of immuse affector calls.

Seguence 10 BP; 4 A; 2 C; 1 G; 3 T; 0 other;

100.0%; Score 7; DB 21; Length 10; 100.0%; Pred. No. 5.7e+04; 0; Indels 0; Mismatches Ouery Match 100.
Best Local Similarity 100.
Matches 7; Conservative

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Gaps

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RESULT 7 AAZ86425

Metastatic breast tumour cell downregulated transcript tag #5659. 07-APR-2000 (first entry) AA286425:

AAZ86425 standard; DNA; 10 BP.

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Yaast; Saccharomyces cerevisies; characterisation; cell cycle; NORF;
nor previously sasigned open reading frame; normannotaced ORF; SAGE;
serial analysis of gene expression; antitungal; rag. identification;
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Local Similarity 100.04; Fred. No. 5.7e+04;
Les 7; Conservative 0: Mismarkt.
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                                                                                                                                                                                                                                                                                                                                    08-JUL-1999;
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                                                                                                                                              fomo sapiens.
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Isolated polymucleotides differentially expressed between metastatic and non-metastatic breast center cells, useful for diagnosis, prevention and treatment of cancer -
               Human, metastatic breast tumour tissue, breast cancer; tag; primer;
non-metastatic breast tumour tissue; gene therapy; anticancer;
antimetastatic) veccine; diaquosis; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1, Page 208; 219pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAH32760 standard; cDNA: 10 BP.
                                                                                                                                                                                                                                                                                                      98US-0089853.
98US-0089997.
98US-0090039.
98US-0090040.
                                                                                                                                                                                                                                                             99WO-US13647
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Roberts BL, Shankara S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1mmunotherapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GENZ ) GENZYME CORP.
(ROBE/) ROBERTS B L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4PI; 2000-106079/09.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SHAN/) SHANKARA S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AGTATCA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
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                                                                                                                                                                                                                                                                                                                                                         19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
                                                                                                          iomo sapiens
                                                                                                                                                             W09965928-A2
                                                                                                                                                                                                                                                             18-JUN-1999;
                                                                                                                                                                                                          23-DEC-1999.
                                                                                                                                                                                                                                                                                                           19-JUN-1998
                                                                                                                                                                                                                                                                                                                                    19-JUN-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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Gaps

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The present invention describes an injury/senchize (Ley) activated behas monocyce expression gene youp consisting of the high-renting 90 genes of the higher termsing so the high-renting 90 genes of the higher termsing so the gene sense of the higher termsing the gene sense of the higher termsing to the gene sense of the higher terms of the gene sense is which human monocycle pays an important role of various manners to expression gene that terms of the present in gene city has present in general present in genera
                                                                                                                                                                                                                               Human, LPS, lipopolysaccharide, monocyte expression gene; tag; EST;
expressed sequence tag; diagnosis; human disease; treatment; ss.
JPS activated human monocyte expression gene cDNA tag SEQ:133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .PS activated human monocyte expression gene group
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (KAGA-) KAGAKU GLJUTSU SHINKO JIGYODAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 10; Page 28; 52pp; Japanese.
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(UYJO ) UNIV JOHNS HOPKINS
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Velculescu V, Vogelstein B, Kinzler K;

### Example, Page 202; 419pp; English.

the present interaction describes an isolated was according to the present interaction described and the present interaction described as a state of the present interaction of a year of the present interaction of a year of the present interaction of a year of the present of t TO TOWN THE STORES HORTHS.

THE ANGELIES THE STORES HORTHS.

THE A

## Seguence 10 BP; 4 A; 1 C; 3 G; 2 T; 0 other;

100.0%; Score 7; DB 22; Length 10; 100.0%; Pred. No. 5.7e+04; tive 0; Mismatches 0; Indels

### RESULT 10

### AAF39793 standard; DNA; 10 BP. AAF39793; **PAR**39793

23-MAR-2001 (first entry)

Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:6532.

Veast, Sacchironynes accreaisias, characterisation; cell cycle, WORF, nor previously assigned open reading frame, nonamontered CS, SAGE, startal and thysis of gene expression; antifungal; tag; identification; alerter, PCR primer; de.

Saccharomyces cerevisiae.

WO200077214-A2. 21-DEC-2000 

Yeast gene coding sequences comprising NORF genes with serial analysis of gene expression (SAGE) rags, useful for studying, monitoring and affecting phases of the call cycle. Kinzler K: Velculescu V, Vogelstein B, 14-JUN-2000; 2000WO-US16223 99US-0335032 (UYJO ) UNIV JOHNS HOPKINS WPI; 2001-061874/07. 16-JUN-1999; Yeast gene coding sequences comprising NORF genes with serial analysis of gene expression (SAGE) tegs, useful for studying, monitoring and fifecting phases of the cell cycle

The present invention describes an include DNA public computing a conding sequence of a yeast gene selected from a group of 745 NDW from previously washinged experts residing in these communication dots; general described mer. (1) a section with 10 of using NDW general computings, and interface in the condition of the condition Example, Page 233; 419pp; English.

regression competing to contacting the man in the with properties at the contact contacting the man of the man a method AAF33268 to AAF44064 represent SAGE tags used in the exemplification of the present invention. AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE method, in the exemplification of the present

# Sequence 10 BP; 4 A; 1 C; 2 G; 3 T; 0 other;

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0; Gaps

Gaps ö Length 10; 0: Indels 100.0%; Score 7; DB 22; 1 100.0%; Pred. No. 5.7e+04; 0: Mismatches Query Match Best Local Similarity 100. Matches 7; Conservative

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### 1 AGTATGA 7

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AAF40876 standard, DNA, 10 BP.
AAF40876
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RESULT 11

AAF40876;

Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:7615. 23-MAR-2001 (first entry)

Yeast, Sacchrayowce activations characterization, call cycle, NOCP; nor previously assigned open reading frame; nonamonated ORP; SAGE; serial analysis of gene expression; antifungal; tag; identification; store; PCR primer; de.

Saccharomyces cerevisiae \*\*\*\*\*\*\*\*\*\*

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ambour of a raper windstell sequence in an analyze, me method companion operating a liquid containing proper and allowed or of an analyze ampreciated of containing probes and maintenance in a bedeground signal from a benefit designal from a benefit designal from a designation of a containing analyze and advantaged to the sayes sequence in the reservence in the property of the sayes sequence in the reservence in the sayes and the sayes are the sayes are the sayes and the sayes are the sayes are the sayes and the sayes are the sayes are the sayes are the sayes and the sayes are the sayes and the sayes are the sayes and the sayes are the say
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Detecting a target nucleotide sequence in an analyte, for use in e.g. drug discovery, comprises uning a set of features having all of oligophosphodelsers probes, and subtracting a background signal from an oligophosphodelsers probes, and subtracting a background signal from an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           wikh oligomer; PRA: peptide mucleis catcl; polywadde backbone; ss;
per genecktyjlycine; aeg; aminoethyjprojy; aep; aminoethyjpyrolidine;
pyr; gene dowrzeglaichon; backerfal infection; viral infection; cancer;
metrolic disease; immunological disorder; PRA:-clamping.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               the invention relates to a method for detecting the presence and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sampras NM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ő
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 7; DB 24; Length 10; 100.0%; Pred. No. 5.7e+04;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Overman LB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 10 BP; 5 A; 1 C; 2 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Lefkowitz SM, Luebke KJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Peptide nucleic acid (PNA) oligomer #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 7; Page 19; 35pp; English
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                                                                                                                                                                                                                           99US-0398399
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24-OCT-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Delenstarr GC, Leikum.
                                                                                                                                                                                                                                                                                     DELE/) DELENSTARR G C.
                                                                                                                                                                                                                                                                                                                  LEFKOWITZ S M.
                                                                                                                                                                                                                                                                                                                                                                (OVER/) OVERMAN L B.
(SAMP/) SAMPRAS N M.
(SAMP/) SAMPSON J R.
(WOLB/) WOLBER P K.
                                                                                                                                                                                                                                                                                                                                         UEBKE K J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-443693/47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 AGTATGA 7
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                                                               US2002051973-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            observed signal
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modified base
     Unidentified.
                                                                                                                                                                       17-SEP-1999,
                                                                                                                                                                                                                           17-SEP-1999;
                                                                                                                   02-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
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                                                                                                                                                                                                                                                                                                                                         LUEB/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The confine Sequence of a yeast store all contains a group of C. 56 Mogary Top providually assigned open redding fearners or nonuncited ONF peace and the contains a group of C. 56 Mogary Top Congestion of C. 50 method Top C. 50
                                                                                                                                                                                                                                                                                                                                                                                                                    Yeast gene coding sequences comprising NORF genes with serial analysis of gene expression (SAGE) rags, useful for studying, monitoring and affecting phases of the call cycle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             primers used in the SAGE method, in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      the present invention describes an isolated DNA molecule comprising a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 uuery Match
100.0%; Score 7; DB 22; Length 10;
Best Local Similarity 100.0%; Pred. No. 5.7e.04;
Matches 7; Conservative 0; Mismatches 0: Tridele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Probe #3 used to illustrate the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 10 BP; 3 A; 3 C; 2 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                            Kinzler K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example; Page 272; 419pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAD44180 standard, DNA, 10 BP.
                                                                                                                                                                                                                                                                                                            Velculescu V, Vogelstein B,
                                                                                                                                          .4-JUN-2000; 2000WO-US16223.
                                                                                                                                                                                              99US-0335032
                                                                                                                                                                                                                                                  (UYJO ) UNIV JOHNS HOPKINS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-DEC-2002 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 AGTATGA 7
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                            WO200077214-A2
                                                                                                                                                                                              16-JUN-1999;
                                                                                      21-DEC-2000.
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Gaps

99US-0398399.

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17-SEP-1999;
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                                                                                                                                                                                                                                                                                                     The invention congress specials made is set (890) oligosers, where the inside units of Ethe oligomers congrise aliferent amino sich backbonen sessetell from sun was not sold, sends an includings aminorising/signific (see); Julianen of the invention are useful for the descriptuation of special possible that the seed of a special constant of the invention are useful for the descriptuation of special constant of the invention are useful for the descriptuation of special constant of the invention are useful for the descriptuation of special case useful for tracting becertain on what infections cases, metabolic in RPS manufacturing and the invention.
                   /note" "This sequence is a peptide nucleic acid, (i.e. it
concains a polyamide backbone instead of a deoxyribose
backbone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                New paptide nucleic acid oligomer, useful as antisense molecules to trea bacterial and viral infections, has single unite comprising different amino ecid backbones such as aminoethy/glycine -
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 7; DB 24; Length 10; 100.0%; Pred, No. 5.7e+04;
                                                                          /note = "The base is modified with Lys-NH2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 10 BP; 2 A; 4 C; 0 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Nucleic acid microarray, probe, ss
                                                                                                                                                                                                                                                                                        Example 7; Page 34; 40pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nucleic acid microarray probe #3.
                                                         /*tag= b
/mod_base= OTHER
           /mod base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABK99556 standard; DNA; 10 BP.
                                                                                                                                                   24-NOV-2000; 2000DK-0001776.
06-MAR-2001; 2001DK-0000371.
16-JUL-2001; 2001DK-0001117.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          02-JUL-2001; 2001US-0899381,
                                                                                                                                  23-NOV-2001, 2001WO-DK00779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-OCT-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 100.
                                                                                                                                                                                                             Nielsen PE, Pueschl A;
                                                                                                                                                                                           (PANT-) PANTHECO AS
                                                                                                                                                                                                                                WPI; 2002-490198/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGTATGA 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2002068293-A1
                                                                                              WO200242316-A2
                                               modified base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-JUN-2002.
                                                                                                                30-MAY-2002
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ABK99556
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The invention relates to a motificat call array (II) constrting at least most byticidistics feature and at least one background feature (I) is supplied to defecting the presence of an analyse motificate catid in a smaple, mitted catid array with the section comprises contenting the motific catid array with the ample might leave the motification and array with the ample might leave the hybridistics signal to obtain a background corrected whortdistics and array with the ample might leave the hybridistics signal and relating the background corrected hybridistics to the market regress indicate and in the ample my section to correct the properties of the market regress indicate and in the ample my section for content of the properties of the pro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nhaman, ses parimens: SRN singles mucheclatide polymorphism, an pancreatitis;
partneratic dancer; Phospholipsen A groupis, PlaAcis; gene therapy;
Amplotype, genotype, Archeneesea Add-444. Lranagenic; drug screening,
And allele specific oligomucleside; primer extension.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Nucleic acid arrays for qualitatively or quantitatively determining the presence of analyse target mucleic acid in a sample comprises both tybridisation features and background features.
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Movel isolated human Phospholipase A2, Group IB pancreas polymucleotide, for therspectic purposes, for studying expression and function of the polymucleotide and for expressing the phospholipase

Claim 19, Page 13, Sipp; English

The invention relates to an isolated human Phospholipase A2, Group II (panceas) (PLAGIB) polytucleotide comprishing a sequence With is a (plymorphic variant for a reference sequence for the PLAGIB gene or

efficacy or thereputic, pagins and composing in a bloodypical system. The antibody is useful for studying the effect of the varieton on the bloodycal excity of Packols as well as on the blands affinity of condidate drugs targeting UAXORS as well as on the blands affinity of condidate drugs targeting UAXORS. The PLACES game is located on thromosome 2130-4241. The PLACES game is located on chromosome 2303-4241, and the present esquence is an allele specific objective objective to the property of the present estates of the packet to object the property of the property of the property of the packet of the property of t polymorphisms in PLA2G1B.

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100.0%; Score 7; DB 24; Length 10; 100.0%; Pred. No. 5.7e+04; 0: Mismatches 7; Conservative O Query Match
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Pax: 801 585 7177
Bmail: ddunmgemetics.utah.edu
Inmert Length: 10000 Std Brror: 0.00
Plate: 0274 row: P column: 14
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Location/Qualifiers
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University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 B., SLC, UT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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ZMO274F14F Mouse lokb plasmid UGCZM library Mus musculus genomic close UGCZMO2774F14 R, genomic survey sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /lab host="E. Coll strain XL]0-Gold, Tl-resistant, F-" (-Clone lib-waves lbb plasmid UNGCM library* //notes-Vector: PWG47nv; Purified genomic DNA from M. musculus C57B1/67 (male) was obtained from the Jackson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
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                       Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Brror: 0.00
                                                                                                                                   Plate: 0086 row: E column: 01
Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'organism="Mus musculus"
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strain="C57BL/6J"
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                                                                                                                                                                                                                                                                                                         High quality sequence stop: 19.
Location/Qualifiers
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SPICE SULT 5 SPICE

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Mus musculus

ORGANISM ACCESSION VERSION

SOURCE

AUTHORS

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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The house B. Coli strain Xi.O-Cold, Tiresissant, P.-*
(Along lib-Mouse 10kb plasmid UUCCH library*
Motes-Vector: PAD/Zhv, Putitied genomic DM. From M.
mmsculus CYBL/G (male) was obtained from the Jackson
Laboratory Mouse DM, Resource
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LYNX Therapeutics, Inc.
25861 Industrial Blvd., Hayward, CA 94545, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 7; DB 28; I
100.0%; Pred. No. 2.2e+05;
                                                                                                                Email ddunmagenetics.utah.edu
Insert Length: 1000 Std Brors: 0.00
Plates 0534 row: H column: 17
Seq primer: CACACAGAMACAGCTATGACC
Class: plasmid ends
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'mol type="genomic DNA"
'strain="C578L/63"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    'db_xref="taxon:10090"
'clone="UUGC1M0534H17"
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        84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and abjected for ampicillin resistance." 5 c 2 g k t
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AMBILTA MOUSE 10Xb plasmid UNGCIM ilbrary was musculus genomic
AMBILTA MOUSE 140, genomic survey sequence.
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Nammalia, Eucheria Rodentia, Sciurognathi, Muridae, Murinae, Mus.
(Bases I to 22)
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Islam, H., Longerte, S., Mahmoud, M., Meenen, E., Pedereen, T., Reilly
, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Weise, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /lab host="8. Coll strain XIIO-Cold, Ti-resistant, F-"
(John Lib* Wenne 10th Jahashid UNCON Hibbary*
// Modes "Vector: FMN47N: Purified genomic DNA from M.
machanila GynBle, (mach was obbased from the Jacken
Anderscopy Wouse DNA Resource
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Fax: 801.585 7177

Bmall: ddummagemetics.utah.edu

Bmall: ddummagemetics.utah.edu

Dater Lengah.10000 8246 Error: 0.00

Plate: 0462 row: J column: 10

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Class: plaamid ende
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University of Utah Genome Center
University of Utah
                                                                                                                                                                                                                                                                                                                                                                                                                                   'mol_type="genomic DNA"
(strain="CS7BL/6J"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'db_xref="taxon:10090"
'clone="UUGC1M0462J10"
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Location/Qualifiers
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Best Local Similarity 100.
Matches 7; Conservative
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1M0289220R Mouse 10kb plasmid UUGCIM library Mus musculus genomic
clone UUGCIM 299120 8, genomic eurvey sequence.
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musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
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//ab host="E. Coli strain XLI0-Gold, T1-resistant, F-"
//clone lib="Mouse 10kb plasmid UUGCIM library"
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Pax: 801 585 710
Eaxi: ddunmagenetics.utah.edu
Insert Length: 10000 544 Error: 0.00
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/mol type="genomic DNA"
/stain="c578L/63"
/db xref="taxon:1009"
/clone="UUCC1M0298120"
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University of Utah Genome Center
University of Utah
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NAGO2819.F Mouse 10kb plasmid UUGCIM library Was musculus genomic
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Mammalia, Butheria, Rodentia, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
1. (Daese 1 to 24)
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Islam, H., Longarte, S., Malmoud, M., Mesten, E., Pedersen, T., Reilly,
A., Yese, M., Roes, R., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Weise, R.
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rolone l'ib=mouse lokb plasmid Undozim library" 
rolone l'ib=mouse lokb plasmid Undozim library" 
purified genomic DNA from M.
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                                                                                                      Sequence of the control of the control of the control ogy. Sequence obtained from Linux Therapeutica Megasort technology. Collected from the down-regulated gate. High quality sequence arop: 49.
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100.0%; Pred. No. 2.3e+05;
trive 0; Mismatches 0;
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Insert Length: 1000 Std Brzcz: 0.00
Plate: 0203 row: P column: 19
Seq primer: CATMCTAAAAGGACGACT
Class: plasmid ende
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Context: Robert B. Weiss
University of Utah Genome Center
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Machington University School of Medicine Machington University School of Medicine Park Parkens Park Parkens, Box 8501, St. Louis, MO 51108 Pp. 1314 268 1800 Box 3114 268 1800 Box 3114 268 1800 Box 3114 268 1800 Box 3116 ps. 314 328 1800 Box 3116 Box 3116

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'organism="Homo sapiens" 'mol\_type="mRNA" 'db xref="GDB:3862504" Seq primer: M13RP1 High quality sequence stop: 1 Location/Qualifiers

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Arabidopsia haliana genomic clone SALK_075689.48.55.x, genomic
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Salk Institute Genomic Analysis Laboratory (SIGMAL)
Na Salk Institute for Biological Studies
10010 N. Torrey Fines Read, La Jolla, CA 92037, USA
Fax: 858 558 6379
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/mol_type="genomic DNA"
/strain="Columbia 0"
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Burvey Bequence. BH852860 BH852860.1 GI:21423731

GETINITION

Query Match Best Local S: Matches 7

Description of the control of the co

BASE COUNT

Location/Qualifiers

BASE COUNT

Email: ecker@salk.edu

Arabidopsis Genome

2004 2008881 2009881 2009881

Unpublished

Special of the control of the contro

Arabidopsis thaliana (thale cress)

VERSION KEYWORDS SOURCE ORGANISM

3H857761.1 GI:21708582 Arabidopsis thaliana

survey sequence

BH857761

ACCESSION

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University of Utah Genome Center
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Runiversity biomedical Polymers Research Bidg., 20 S. 2030 E., SLC, UT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Laboratory Mouse DNA Resource
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Insert Length: 10000 Std Error: 0.00
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Seg primer: CACACAGGAAACAGCTATGACC
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/strain="C578L/67"
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clone="UGC1M0080C06"
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Location/Qualifiers
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                                                                                                                                                                                               84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
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this is single pass sequence recovered from the left border of office. This sequence lies within an annotated intron of At3g22930. Liass: TDNA tagged.

/organism="Arabidopsis thaliana" /mol\_type="genomic DNA" /strain="Columbia 0"

Location/Qualifiers

Bource

09980559

Contact: Usuaph R. Ecker SBIX Institute General, Analysis Laboratory (SIGBAL) The SBIX Institute for Biological Scudies 1000 M. Torzey Pitales Read, La Jolla, CA 92037, USA TRI SSS 453 410 X172 EAX: 85 86 873 878

Copied from

Unpublished

JOURNAL

TITLE

Search completed: December 31, 2003, 19:41:16 1 AGTATGA 7 9 ACTATGA 3

Job time : 807.291 secs

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126 bp DNA linear GSS 29-SEP-2000
1M0080CGRR Wouse 106th plasmid UUCCJM library Mus musculus genomic AZASASS
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AUTHORS

Contact: Robert B. Weiss

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TITLE COMMENT

Mus musculus (house mouse) Mus musculus

VERSION KEYWORDS SOURCE ORGANISM DEFINITION

ACCESSION

LOCUS

AZ345685.1 GI:10424922 GSS.

Gaps

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directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna\_protocols.html" 5 c 0 g 11 t

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ether of With Contains on en more TDNA insertion
ethernte. The resultant fragment for each line was

GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd.

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Minimum Match 0% Maximum Match 100% Listing first 45 summaries

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em\_hum:• em\_ba:\* 3m mr:

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score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. SUMMARIES

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	33	s	ë	10	9	AR303548	AR303548	
o	34	w	100.0	10	9	AR303553	AR303553	
	35	'n	ë	10	9	AR303569	AR303569	
	36	S		10	9	AR303578	AR303578	
o	37	S		10	9	AR303617	AR303617	
	38	S	100.0	10	9	AR303671	AR303671	
υ	39	S	ë	10	9	AR303680	AR303680	
	40	S		10	9	AR303681	AR303681	S
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ALIGNMENTS AR303691 AR303694 AR303720 AR303722 AR303730 

Sequence Sequence Sequence

> linear ğ Sequence 4 from Patent WO0174342. AX268756 AX268756.1 GI:16541828 synthetic construct synthetic construct artificial sequences SOURCE ORGANISM DEFINITION ACCESSION VERSION RESULT 1 AX268756 LOCUS CEYWORDS

PAT 29-OCT-2001

Gilchrest, B.A., Yaar, M. and Eller, M. Use of locally applied dna fragments Patent: WO 0174342-A 4 11-CCT-2001; TRUSTES OF BOSTON UNIVERSITY (US) REFERENCE AUTHORS TITLE JOURNAL

Pred. No. is the number of results predicted by chance to have a

PRIVIDES    1. State   1. State	GIN  Duery Match  Seat Local Similar  Satches 5, Cor  Atches 1 Grarg	0; Gaps 0;	SIGNATIONS (STRYINGS)  Illegar DAT 29-OCT-2001   STREETING   STREE	//mdi/yee-geometric Dokumines.	o, Gape	ACA47865/C LOCAS L	artificia artificia artificia I (base Mcivor, R., Vector-me Patent: M REGENTS O MEDICINE	source 1  1
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Patent No. 5532129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
                                                                                               COMPUTER READABLE POPM:
MEDIUM TYPE: Eloppy disk
COMPUTER: IDMY Compatible
OPERATING SYSTEM: PC-005/MS-DOS
SOFFWARE: Patentin Release $1.0, Version $1.25
URBERT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOPTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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           PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/790,262
                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Heller, Michael J
TITLE OF INVENTION: SELF-ORGANIZING MOLECULAR PHOTONIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: 608-251-5000
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TYPE: nucleic acid
STRANDEDNESS: single
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                              STREET: San Diego
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FILING DATE:
                                                   CLASSIFICATION: 435
                                                                  FILING DATE
                                                                                    APPLICATION NUMBER:
                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                            ADDRESSEE: Bingham & Fitting
STREET: 12526 High Bluff Drive, Suite 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
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07-NOV-1991
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                                                                                                                                                                                                                                                                                                                                                                       STRUCTURES BASED ON CHROMOPHORE- AND FLUROPHORE-CONTAINING
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                                                                                US/08/250,951
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0, Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1, Application Patent No. 5565322
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                   TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 619-792-8477
INFORMATION FOR SEQ ID NO: 1:
              SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                       APPLICATION NUMBER: 07/790,262
FILING DATE: No. 5565322ember 7, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HYPOTHETICAL:
                                                                                                   TELECOMMUNICATION INFORMATION
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: 34
                                                                                                                                                                                                                                                             APPLICATION NUMBER:
FILING DATE: May 4,
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: /note: "Donor chromophore at the 3'
                                                                                                                                       REFERENCE/DOCKET NUMBER:
                                                                                                                                                  NAME: .Murphy, David B.
REGISTRATION NUMBER: 31,125
                                                                                                                                                                                                                                                                                                                                                     OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 90017
                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS:
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                                                                                TELEPAX:
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nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Application US/08232233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 611 West Sixth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10 base pairs
                                                                                    (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                             USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Michael J. Heller
                                                                                                                                                                                                                                                                                                                                   SYSTEM: IBM P.C. DOS (Version 5.0)
WordPerfect (Version 5.1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 5; DB 1; Le larity 100.0%; Pred. No. 8.6e+04; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                 May 4, 1994
ON: 435
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STRUCTURES BASED ON CHROMOPHORE- AN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CONTAINING POLYNUCLEOTIDES AND METHODS OF THEIR USE
                                                                                                                                                                                                                                                                                                  US/08/232,233
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                                                                                                                                    207/170
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US-09-048-927-1
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                                                                                                                                                                        MAPULICAN: Bile: Mark Hosally Applied DNA Fragmente TITES DEFENDENCE: BUSY-69A3 COMMENT APPLICATION WOMERS: US/09/44-927 COMMENT APPLICATION WOMERS: US/09/45-927 COMMENT APPLICATION WOMERS: US/09/45-927 COMMENT APPLICATION WOMERS: US/06/467/02 COMMENT APPLICATION WOMERS: US/467/02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.0%;
Best Local Similarity 60.0%;
   OTHER INFORMATION: DNA Fragment
-09-048-927-1
                                                                                                                  SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1, Application US/09048927
Patent No. 6147056
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                                                                                                                              NUMBER OF SEQ ID NOS: 4
SOPTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                    EARLIER FILING DATE: 1995-06-06
                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Gilchrest, Barbara A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO:
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                                          FEATURE:
                                                         ORGANISM: Artificial Sequence
                                                                                               ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: 11
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 9 base pairs
TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0; Version #1.30 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: PENNIE & EDMONDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: REGULA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: single
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TELEFAX: 66141 PENNIE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/646,789A
FILING DATE: May 21, 1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GTATG 5
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Pred. No. 4.5e+07;
2; Mismatches 0; Indels
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                                                                                                                                                                                                                         Query Match
Best Local Similarity
Throhes 5; Conservs
                                                                                           US-08-335-565A-27
                                                                                                                                                                                                                                                                                                                 US-09-319-648-68
                                             Patent No. 5527671
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
               APPLICANT: Li, K
                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: 68:
APPLICANT: Li, Kening
APPLICANT: Rouse, Douglas I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: Fang, Carol
REGISTRATION NUMBER: 48,631
                                                                                                                                                                                                                                                                                                                                    SEQUENCE DESCRIPTION: SEQ ID NO: 68:
                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 9 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                1 GTATG 5
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TOPOLOGY: STRANDEDNESS: single TYPE: nucleic acid

Linear

Conservative

100.0%; Score 5; DB 4; 100.0%; Pred. No. 4.5e+C Live 0; Mismatches

4.5e+07

Length 9,

0

Gaps

0

REFERENCE/DOCKET NUMBER: 015280-288100US

Copied from 09980559 on 05/19/2004

TELEFAX: (415) 576-0300

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US-09-319-648-68/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
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Best Local
                                                                                                                                                           ZIF: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYRE: Floppy disk
COMPUTER: ISM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSES: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STRIE: CALLCORNIA
                                                                         PRIOR APPLICATION DATA:
                                                                                                                                                CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 68
                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Hawkins,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GTATG 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity 100.0%;
APPLICATION NUMBER: US 60/032,844
FILIKG DATE: 13-DEC-1996
APPLICATION NUMBER: WO PCT/US97/22448
FILING DATE: 10-DEC-1997
                                                                                        CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GTATG 7
                                                                                                                             APPLICATION NUMBER: US/09/319,648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Application US/09319648
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                                                                                                                                                                                                                                                                          USA
                                                                                                                                                                                                                                                                                                                                                                   Mary
Fluorescent Nucleotide Analog Hairpin
Formation for Detection of Nucleic Acid Hybridization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 5;
Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 3, I
                                                                                                                                                               Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
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US-08-583-276-1
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Patent No. 5837536
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                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: McDonagh, Kevin '
APPLICANT: Nienhuis, Arthur
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 base pairs
                                                                                                       OPERATING SYSTEM: PC-DOS
SOFTWARE: DW4.V2
CURRENT APPLICATION DATA:
                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch diskette
                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: IMPROVED EXPRESSION OF HUMAN
TITLE OF INVENTION: SELECTION OF CELLS TRANSDUCED WITH SUCH GENES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PILING DATE: 11-MAR-1998
ATTORNEY/AGENT INFORMATION:
                                 CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PILING DATE: 28-JUL-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/0
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PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: SANDBERG, VICTORIA A.
REGISTRATION NUMBER: 41,287
REFERENCE/DOCKET NUMBER: 11
                                                                      FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 13-NOV-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
FILING DATE:
              APPLICATION NUMBER: 08/332,444
                                                                                     APPLICATION NUMBER:
                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                 STREET:
                                                                                                                                                                                                                                                                                                   ADDRESSEB: Carella, Byrne, Bain, Gilfillan
ADDRESSEB: Cecchi & Stewart
                                                                                                                                                                                                                                                               ET: 6 Becker Farm Road
Roseland
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GTATG 5
                                                                                                                                                                                                              07068
                                                                                                                                                                                                                                            New Jersey
                                                                                                                                                                                                                                 USA
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                                                                                                                                                           IBM PS/2
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                                                                  05-JAN-1996
31-OCT-1994
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                                                                                     US/08/583, 276
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                110.00450101
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US-08-646-789A-80
                                                                                                                                                                                                              US-08-646-789A-8
                                                                                                                                                       Query Match
Best Local S
                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 8, Application US/08646789A
Patent No. 6022863
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Best Local :
                                                                                                                                                                                                                                                                                                               TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIEM TYPE, Floppy disk
COMPUTER: IRW CCOMPALIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Batemin Release #1.0, Version #1.30
CURRENT APPLICATION DATA
CURRENT APPLICATION DATA
                                                                                                                                                                                                                          MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/646,789A
FILING DATE: May 21, 1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 1155 Avenue of the Americas
CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: singular
TOPOLOGY: linear
                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                LENGTH: 9 base pairs
                                                                                                                                                                                                                                                                                                                                                                          TELEPAX:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER:
                                                                                            1 GTATG 5
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                                                                                                                                     h 100.0%; Score 5; DB 3;
Similarity 100.0%; Pred. No. 4.5e+0
5; Conservative 0; Mismatches
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5, Conserve
                                                                  GTATG
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                                                                                                                                                                                                                                                                                                                                                                      (212) 869-9741/8864
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N: 800
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100.0%; Pred. No. 4.5e+0
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Query Match
Best Local Similarity
"Arches 5; Conserva
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                                                                             SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: PCT/
FILING DATE: 06-FEB-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC comparible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PACENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REPLICANT: HALL, Deborah E.
APPLICANT: STEWART, Alexandre F.R.
APPLICANT: LARKIN, Sarah B.
APPLICANT: LARKIN, Sarah B.
TITLE OF INVENTION: DTEF-1 ISOFORMS AND USES THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                      TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
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                                                                                                                   TELEFAX:
                                                                                                                                   TELEPHONE:
                                                                                                                                                                     NAME: Heelin, James M.
REGISTRATION NUMBER: 29,541
REFERENCE/DOCKET NUMBER: 2307U-053120
                                                                                                                                                                                                                                              APPLICATION NUMBER: US 08/191,493
FILING DATE: 04-FEB-1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: /standard_name
OTHER INFORMATION: site in SV40*
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TYPE: nucleic acid
STRANDEDNESS: single
   TOPOLOGY: linear
                          STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
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                                                         ENGTH:
                                          nucleic acid
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                                                                                                                   (415) 326-2422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MAR, Janet H.
FARRANCE, Iain K.G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AZAKIE, Anthony
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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                                                                                                                                   (415) 326-2400
                       single
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100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                              PCT/US95/01526
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; In
5.8e+07;
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Best Local Similarity
Warches 5; Conserve
                                                                                                                                                                                                                                                                                                                                                          US-09-142-593-11/c
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US-09-048-927-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-615-170-12
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                                                                                                                                                                                                                                                                                                                    Patent No.
                                                                                                                                                                                                                                                                                                                                       Sequence 11, Application US/09142593
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 3
LENGTH: 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BARLIER APPLICATION NUMBER: 08/952,697
EARLIER FILING DATE: 1996-06-03
EARLIER APPLICATION NUMBER: 08/467,012
EARLIER APPLICATION NUMBER: 08/467,012
EARLIER FILING DATE: 1995-06-06
NUMBER OF SED ID NOS: 4
SOPTMARE: FREISEO for Windows Version 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITIE OF INVENTION: Use of Locally Applied DNA Fragments
FILE REFERENCE: BU94-68A2
CURRENT APPLICATION NUMBER: US/09/048,927
CURRENT FILING DATE: 1998-03-26
                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Gilchrest, Barbara A.
APPLICANT: Yaar, Mina
APPLICANT: Biler, Mark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Artificial Sequence
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PacentIn Release #1.0, Version #1.10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH:
                                                                                                                                                                                                    TITLE OF INVENTION: IN
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                              APPLICANT: HACKETT ET AL.
TITLE OF INVENTION: DNA-BASED TRANSPOSON SYSTEM FOR THE
                                                                                                                                                                                                                                                                             APPLICANT
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                                                                                                                                              ADDRESSEE: MUETING, RAASCH & GEBHARDT, P.A
STREET: 119 NORTH FOURTH STREET, SUITE 203
CITY: MINNEAPOLIS
                                                                                                               COUNTRY:
                                                                                                                                   STATE: MINNESOTA
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                                                                                                               USA
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                                                                                                                                                                                                                           INTRODUCTION OF NUCLEIC ACID INTO DNA OF A CELL 63
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100.0%; Fred. No. 5.8e+07;
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Heavy Chain M-CAT binding element
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Patent No. 6147056
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APPLICANT: Mirzab
APPLICANT: Paring
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EARLIER APPLICATION NUMBER: 08/467,012
EARLIER FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/048,927
CURRENT FILING DATE: 1998-03-26
EARLIER APPLICATION UNMBER: 08/952,697
EARLIER FILING DATE: 1996-06-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Use of Locally Applied
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               PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 13-MAY-
                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
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                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Use of Continuous/Contiguous
TITLE OF INVENTION: Stacking Hybridization as a Diagnostic Tool
NUMBER OF SEQUENCES: 88
                                                                       FILING DATE:
                                                                                                                            OPERATING SYSTEM: Microsoft Windows 98
SOFTWARE: Wordperfect
APPLICATION NUMBER: U.S. 08/587,332
                                                                                                                                                              COMPUTER:
                                                                                                                                                                                 MEDIUM TYPE:
                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                        CITY: Chicago
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    Application US/09498851
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Dubiley, Svetlana A
                                                                                                                                                                                                                                                                                                                                                                                                                                   Barsky, Victor E
                                                                                                                                                                                                                                                                                                          CHERSKOV & FLAYNIK
                                                                                                                                                                             3.50 inch, 1.4 MB storage
                  13-MAY-97
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                                  08/855,372
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Pred. No.
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Best Local Similarity
Whiches 5; Conserva
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: STEWART, Alexandre F.R. APPLICANT: LARKIN, Sarah B. TITLE OF INVENTION: DTEF-1 ISOFORM
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CURRENT APPLICATION DATA:
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                                                                                                                                                                                             CLASSIFICATION: 435
PRIOR APPLICATION DATA:
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                                                 TELECOMMUNICATION INFORMATION
                                                                                                                         ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Cherskov, Michael J.
REGISTRATION NUMBER: 33,664
REFERENCE/DOCKET NUMBER: ANL-IN-95-027
                                                                    NAME: Heslin, James M.
REGISTRATION NUMBER: 29,
REFERENCE/DOCKET NUMBER:
                                                                                                                                           FILING DATE: 04-FEB-1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                  APPLICATION NUMBER: PCT/
FILING DATE: 06-FEB-1995
                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: Steuart Street Tower,
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Townsend and Townsend Khourie and Crew
STREET: Steuart Street Tower, One Market Plaza
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                                                                                                                                                                             APPLICATION NUMBER: US 08/191,493
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
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                  (415)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AZAKIE, Anthony
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ilarity 100.0%;
Conservative (
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415) 326-2422
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	Maintimum ID seq length; 0  Maintimum ID seq length; 10  Post-processing: Milman Match Lineting fine  Lineting	Copyright (c) 1993 - 2009 OM nucleic - mucleic search, using aw model Num on: Detember 31, 2001, 14140105 File: US-09-540-843-4 Sequence: 1 9:849-8 Secoring table: IDENTIFY NO Sequence: 1 9:8978 seap, 20691866 resi Total number of hire sear; 20691866 resi
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sequence 10. Appli sequence 11. Appli sequence 12. Appli sequence 13. Appli sequence 13. Appli sequence 13. Appli sequence 14. Appli sequence 15.	en ca have a lace to have a batter being printed.	Compugen Ltd.  Compugen Ltd.  Salash time 10 4304 Seconds (without highment 4304 Seconds 113.581 Million cell updates/sec
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Indois 0; Caps 0;	tecking Pybridization as a	sequence 35, Applisequence 31, Applisequence 32, Applisequence 32, Applisequence 35,

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CHEREAL IMPROMETION: APPLICATION APPLICANT: BALLIANCH, CHAIRANCH, 
Search completed: January 1, 2004, 01:10:36
Job time : 82.6076 secs
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PATHER INFORMATION: hybridization
US-09-875-400-22
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US-09-875-440-22/c
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US-09-817-879-4624
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Best Local Similarity 100.0%;
Matches 7, Conservative 0
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LENGTH: 13
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Patent No. US20020156035A1
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TITLE OF INVENTION: Repartis Notice Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Repartis Notice Acid Treatment of Diseases or Conditions Relate
TITLE REPARENCE: Name and Acid Treatment of Treatment of Treatment (Name and Acid Treatment of 
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ORGANISM, Artificial Sequence
FEATURE:
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SOFTWARE: PatentIn version 3.0
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LOCATION:
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Pred. No.
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APPLICANT MISSEMBACH MAGIT
APPLICANT GENERAL MAGIT
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APPLICANT GENERAL MEMBERS
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APPL
                                                                                                                                                                                                                                                                            Matches
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LENGTH: 12
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Best Local Similarity
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Publication No. US20020151515A1
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CURRENT FILING DATE: 2001-11-05
PRICA REPLICATION NUMBER: PCT/US99/13800
PRICA FILING DATE: 1999-06-18
NUMBER OF SEQ 1D NOS: 1317
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: GA0201C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Ver. 2.1
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                                                                                                                                                                                                                                                                   Local Similarity
hes 7; Conserv
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                                                                                                                                                                                                                                                                   100.0%; Score 7; DB 15; Length 12; 100.0%; Pred. No. 1.1e+05; tive 0; Mismatches 0; Indels
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); Mismatches
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Best Local Similarity
Matches 5; Conserva
                                                                                                                        RESULT 14
US-09-817-879-4624
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US-09-740-332-4624
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US-09-740-332-4624
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Sequence 4624, Application US/09817879
Publication No. US20030171311A1
GENERAL INFORMATION:
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LENGTH: 13
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Publication No. US20030125270A1
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SEQ ID NO 16
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Best Local Similarity
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ORGANISM: Artificial Sequence
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100.0%; Pred. No. 1.1e+05;
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Mismatches

Indels

Gape

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09980559 on 05/19/2004

Length 12

Score 7; Pred. No. Mismatches

DB 11; 1.1e+05;

Length 13

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Copied from

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Sequence 16, Application US/10150779A 
Publication No. US20030125241A1 
GENERAL INFORMATION:
APPLICANT: HANSEN, DO APPLICANT: HANSEN, DO LIAN-MODIFIED DIJOONULEOTIDES TITLE OF INVESTION; INVESTIONS DISEASES
TITLE OF INVESTION; INVESTIONS DISEASES
CHEENER PRODUCTION MANDERS, MAINTAIN, 779A
CHEENER FILLING DATE: 2001-02-07
FRICOR PRILING DATE: 2001-05-10
RECOR FILLING DATE: 2001-05-18
NUMBERS OF $501, DISES: 16
NUMBERS OF $501, DISES: 16
NUMBERS OF $501, DISES: 16
                                                                                                                                                                                                                                                                                                                APPLICANT: WISSENBACH, MARGIT
APPLICANT: KOCH, TROELS
APPLICANT: ORUM, HENRICK
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ORGANISM: Artificial Sequence

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                                                           SEQ ID NO 31
LENGTH: 10
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Publication No. US20030032611A1
GENERAL INFORMATION:
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                                                                                                                       CURRENT APPLICATION NUMBER: US/09/398,399
CURRENT FILING DATE: 1999-09-17
NUMBER OF SEQ ID_NOS: 35
                                                                                                                                                                                                                                              APPLICANT: LUEBKE, KEVIN J.
APPLICANT: OVERMAN, LESLIE B.
APPLICANT: SAMPRAS, NICHOLAS M.
APPLICANT: SAMPSON, JEFFREY R.
APPLICANT: WOLBER, PAUL K.
                                                                                                      SOFTWARE: PatentIn Ver.
                                                                                                                                                                                       TITLE OF INVENTION: TECHNIQUES FOR ASSESSING NONSPECIFIC BINDING OF NUCLEIC TITLE OF INVENTION: ACIDS TO SURFACES FILE REFERENCE: 10981620-1
                                                                                                                                                                                                                                                                                                                                                APPLICANT: DELENSTARR, GLENDA :
APPLICANT: LEFKOWITZ, STEVEN M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: PCT/US01/1016
PRIOR RILING DATE: 2001-03-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/122,633
CURRENT FILING DATE: 2002-04-12
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APPLICANT: Year, Mina
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                         ORGANISM: Artificial Sequence
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nes 7; Conser-
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Pred. No. 3.7e+08
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Pred. No. 3.7e+0
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                                                                                                  ; OTHER INFORMATION: Synthetic oligonucleotide US-10-329-465-30
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                                                                                                                                                                                                                         CURRENT APPLICATION WINGER: US/10/329,465
CURRENT FILING DATE: 200-12-23
PRIOR APPLICATION NUMBER, US 60/343,826
PRIOR FILING DATE: 201-12-27
NUMBER OF SEQ 1D NOS: 315
SEQ 1D NO 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 30, Application US/10329465
Publication No. US20030165949A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Macches
                                                                                                                                                                                                                                                                                                                                                                 APPLICAMI, WANG et al.
TITLE OF INVESTICA: GENES ABNORWALLY EXPRESSED IN WYELOID LEUKEMIA CELLS WITH AN ITITLE OF INVESTICA: FUSION
FILS REFERENCE: 27373/7958A.
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OTHER INFORMATION: synthetic probe ORGANISM: Artificial Sequence

Local Similarity les 7; Conserv 1 AGTATGA 7

Conservative

0; Mismatches

Indels

Gaps

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100.01;

Score 7; Pred. No.

DB 9; 1.1e+05; Length 10; TYPE: DNA

FEATURE:

LENGTH:

ORGANISM: Artificial sequence

Conservative

100.0%; Score 7; DB 13; 100.0%; Pred. No. 1.1e+05; tive 0; Mismatches 0;

Length 10. Indels

Gaps

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Query Match
Best Local Similarity
Marches 7; Conserve
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1 OTHER INFORMATION: Description of Artificial Sequence: Probe US-09-398-399-31
                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 53
SOFTWARE: FREESEQ for Windows Version 4.0
SEQ ID NO 31
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 31, Application US/09899381
Patent No. US20020068293A1
                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 09/398,399
PRIOR FILING DATE: 1999-09-17
NUMBER OF SEC. 1999-09-17
                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Molber, Phal K.
APPLICANT: Sana, Theodore R.
APPLICANT: Sana, Theodore R.
TITLE OF INVENTION: Arrays Having Background Features and
TITLE OF INVENTION: Methods for Using the Same
                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/899,381
CURRENT FILING DATE: 2001-07-05
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Pred. No. 1.1e+05
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Gaps

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US-10-122-633-3
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APPLICANT: Gilchreat, Barbara A.
APPLICANT: Biler, mark S.
APPLICANT: Year, Mina
                                                                                                              SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 3, Application US/10122633 Publication No. US20030032611A1 GENERAL INFORMATION:
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Publication No. US20030032610A1
                                                                                                                                                                                                                                                TITUE OF INVESTIGN: Weithed to Inhibit cell Growth Wains
TITUE OF INVESTIGN: Oligencia Cacatides
THE REFERENCE: 1004-1088-018 //10/12/5-50
CORREST TITUS ONE: 2005-4188-018 //10/12/5-50
FRICER APPLICATION EMBER: US 08/467-012
REIGN FRICHCHICH EMBER: US 08/467-012
REIGN FRICHCHICH EMBER: US 08/467-012
                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR FILING DATE: 2000-03-31
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APPLICANT: Eller, Mark S.
APPLICANT: Year, Mine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS:
SOFTWARE: PastSEQ for
                                                                                                                                                      PRIOR FILING DATE: 21
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PRIOR APPLICATION NUMBER: US 09/048,927
                   OTHER INFORMATION: Synthetic DNA Fragment
                                                       ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Synthetic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
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                                       FEATURE:
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APPLICATION NUMBER: US 09/540,843
FILING DATE: 2000-03-31
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                                                                                                                                                                                             APPLICATION NUMBER: PCT/US01/10162
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Conservative 0;
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SEQ ID NO 1
LENGTH: 9
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1, Application US/10122630
Publication No. US20030032610A1
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PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: PCT/US01/10162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILE REFERENCE: 0054.1088-019
CURRENT APPLICATION NUMBER: U
CURRENT FILING DATE: 2002-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: Method to Inhibit Cell Growth Using TITLE OF INVENTION: Oligonucleotides
                                                                                                                                                                                                                                                                                                                                       REPLICANT: Glichrest, Barbara A.
APPLICANT: Eller, Mark S.
APPLICANT: Yaar, Mina
TITLE OF INVENTION: Method to Inhibit Ceil Growth Using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-122-630-1
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APPLICANT: Yaar, Mina
                                                           NUMBER OF SEQ ID NOS: 15
                                                                           PRIOR APPLICATION NUMBER: PCT
PRIOR FILING DATE: 2001-03-30
                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: US 08/467,012
                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/10/122,630
CURRENT FILING DATE: 2002-04-12
                                                                                                                                                                                                                                                                                                        FILE REFERENCE: 0054.1088-018
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                                                                                                                  APPLICATION NUMBER: US 09/540,843
FILING DATE: 2000-03-31
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FILING DATE: 1998-0
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R APPLICATION NUMBER: PCT/US96/08386
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Gaps

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7 15 US-10-12-560-3 Septemon 3, Appl. 1 100.0 7 15 US-10-12-560-3 Septemon 3, Appl. 1 100.0 7 15 US-10-12-560-3 Septemon 6, Appl. 1 100.0 7 15 US-10-12-560-3 Septemon 7, Appl. 1 100.0 9 15 US-10-12-560-3 Septemon 6, Appl. 1 100.0 9 15 US-10-12-560-3 Septemon 6, Appl. 1 100.0 9 15 US-10-12-560-3 Septemon 6, Appl. 1 100.0 9 15 US-10-12-560-3 Septemon 1, Appl. 1 100.0 9 15 US-10-12-560-3 Septemon 1, Appl. 1 100.0 10 10 US-10-12-560-3 Septemon 1, Appl. 1 100.0 10 10 US-10-12-560-3 Septemon 1, Appl. 1 100.0 10 11 US-10-12-560-4 Septemon 6, Appl. 1 100.0 11 US-10-12-560-4 Septemon 6, Appl. 1 1	Fred. No. is the number of remains predicted by chance to have a moore greater than or equal to the neone of the semalt being printed, and is derived by manyfall of the Cotal secret distribution.  **Supervision**  **Durchalis**  **	A comment of the comm	Published Applications NA:*	Post-processing: Minimum Match 10t Maximum Match 10t Listing first 45 summaries	seq length: 0 seq length: 30	Total number of hits satisfying chosen parameters: 998502	2263443 segs, 1730637950 residues	IDENTITY NUC	US-09-540-843-3 7 agtatga 7	December 31, 2003, 17:10:00; Search time 81:6076 Seconds Veitbour alignments updates/sec 296:896 Million cell updates/sec	OM nucleic - nucleic search, using sw model	GenCore version 5.1.6 Copyright (c) 1993 - 2004 Compugen Ltd.
I NUMBER OF SEX DIS NO. 12-01-20  SEQ 1D NO. 3  SEQ 1D NO.	FROM PRILING DATE: 1985-06-06 PRICE PR	ENTS ell Growth Using	7 100.0 17 9 US-09-866-108-2755 7 100.0 17 9 US-09-866-108-2756	7 100.0 17 9 7 100.0 17 9 7 100.0 17 9 7 100.0 17 9	7 100.0 17 9 US-09-866-108-2750	7 100.0 15 13 US-09-817-879-4571 7 100.0 15 13 US-10-440-850-88	7 100.0 15 11 US-09-817-879-4558	30 7 100.0 15 10 US-09-272-343-1 31 7 100.0 15 10 US-09-272-343-1 32 7 100.0 15 11 US-09-272-343-2	7 100.0 15 9 US-09-274-553D-1527 7 100.0 15 9 US-09-274-553D-1527 7 100.0 15 9 US-09-274-553D-1570	22 7 100.0 115 9 18-07-99-197-10 sequence 37, App. 1 100.0 115 9 18-07-99-197-10 sequence 38, App. 1 100.0 115 9 18-07-99-197-197-198 sequence 38, App. 1 100.0 115 9 18-07-97-197-198 sequence 38, App. 1 100.0 115 9 18-07-97-198-198 sequence 38, App. 1 100.0 115 9 18-07-97-198-198 sequence 39, App. 1 100.0 115 9 18-07-97-198-198 sequence 39, App. 1 100.0 115 9 18-07-98-198-198 sequence 39, App. 1 100.0 115 9 18-07-98-198-198-198 sequence 39, App. 1 100.0 115 9 18-07-98-198-198 sequence 39, App. 1 100.0 115 9 18-07-98-198 sequence 30, App. 1	7 100.0 15 9 US-09-504-231A-1559 Sequence 7 100.0 15 9 US-09-504-231A-1570 Sequence 7 100.0 15 9 US-09-504-231A-1570 Sequence	16 7 100.0 15 9 US-09-504-231A-527 17 7 100.0 15 9 US-09-504-231A-528 17 7 100.0 15 9 US-09-504-231A-529 19 7 100.0 15 9 US-09-504-231A-529

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RESULT 15
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                                                                                                             Query Match 88.9%; Score 8;
Best Local Similarity 100.0%; Pred. No.
Matches 8; Conservative 0; Mismatc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 168, Application US/08182968A
Patent No. 5610054
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Patent No. 6096505
                                                                                                                                                                                                                                                                 TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Description of Artificial Sequence: Flexible Hinge OTHER INFORMATION: Sequence (Fig. 1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LOCATION: (1)..(12
                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 14-MAY-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 13-JANUARY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/882,81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING HEPATITIS C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: VIRUS REPLICATION
                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 205/277
                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 32,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OPERATING SYSTEM: IBM P.C. DOS 5.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 90071-2066
                                                                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                               LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                   13 AGGAGGAT 6
                                                                                  2 AGGAGGAT 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    633 West Fifth Street
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                                                                                                                                                                                                   linear
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                                                                                                                                                                                                                                                                                  168:
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Pred. No.
                                                                                                                 Mismatches
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                                                                                                                              DB 1; Le
lo. 1.3e+04;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION
TELEPHONE: (213) 49-1600
TELEPA: (213) 55-0440
TELEX: (213) 55-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 169:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
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TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: singl
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH:
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Sequence 169, Application US/08182968A
Patent No. 5610054
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                            ATTORNEY/AGENT INFORMATION:
                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/882,888
FILING DATE: 14-MAY-1992
                                                                                                                                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: US,
FILING DATE: 13-JANUAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SECUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: VIRUS REPLICATION
                                                                                                                                                                                                       COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C.
SOFTWARE: Word Perfect 5.1
    REFERENCE/DOCKET NUMBER:
                     NAME: Warburg, Richard J
REGISTRATION NUMBER: 32,
                                                                                                                                                                                                                                                                                                                                                                           STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Lyon & Lyon
                                                                                                                                                                                                                                                                                                                                    90071-2066
                                                                                                                                              13-JANUARY-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                METHOD AND REAGENT FOR INHIBITING HEPATITIS C
                                                                                                                                                                US/08/182,968A
32,327
ER: 205/277
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Search completed: January 1, 2004, 00:32:18 Job time: 35.0858 secs

Conservative linear

0

Mismatches DB 1; Le Length 15 Indels ٥. Gaps c

100.0%; Pred. No.

single

US-08-182-968A-169/c

PRIOR APPLICATION DATA: NONE APPLICATION NUMBER:

CLASSIFICATION:

APRIL 16, 1998

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US-08-310-356-20
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Best Local Similarity 100.0%;
Matches 9; Conservative (
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                                                                                                         INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
NAME: ARLES A. TAYLOR, JR.
REGISTRATION NUMBER: 39,395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                     CLASSIFICATION: 800
PRIOR APPLICATION NUMBER: US/07/737,853
                                                                                                                                                                                                                                                                                                                                                            COMPUTER: Macintosh
OPERATING SYSTEM: Macintosh System 7.0
SOFTWARE: Microsoft Word Version 5.0 ()
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
                                                                                       SEQUENCE CHARACTERISTICS
                                                                                                                                                           TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                  FILING DATE: 31-JUL-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
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                  TOPOLOGY:
                                                    TYPE: nucleac acad
                                                                       LBNGTH:
                                                                                                                            TELEFAX:
                                                                                                                                           TELEPHONE:
                                                                                                                                                                          REGISTRATION NUMBER: 32,534
REFERENCE/DOCKET NUMBER: A0
                                                                                                                                                                                                                                                                                                                             FILING DATE:
                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Collegeville
                                                                                                                                                                                                                   Goodman, Rosanne
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Application US/08310356
                                                                                                                         (215) 454-3808
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (919) 493-8000
(919) 419-0383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nathan,
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                                                                                                                                           (215) 454-3817
                              erngre
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Transgenic Protein Production
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                                                                                                                                                                                                                                                                                                                                            US/08/310,356
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                               US-09-290-449-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Pa
SEQ ID NO 105
LENGTH: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                         Sequence 15, Application US/09290449A
Patent No. 6096505
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local :
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                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/290,449A
CURRENT FILING DATE: 1999-04-13
EARLIER APPLICATION NUMBER: US 60/081,777
EARLIER FILING DATE: 1998-04-14
                                                                                                                                                                                                                APPLICANT: SELBY, MARK
APPLICANT: THUDING, Keat
APPLICANT: DIM, DINO
TITLE OF INVENTION: NOWCLOWING TECHNIQUE FOR EXPRESSING A GENE OF INTEREST
FILE REFERENCE: 1448.002
                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR FILING DATE: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR FILING DATE: 1994-09-01
PRIOR APPLICATION NUMBER: 08/
PRIOR FILING DATE: 1993-10-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR PILING DATE: 1995-06-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT FILING DATE: 1998-02-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/019,793A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS (PRRSV)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                      SOFTWARE: PatentIn Ver. 2.0
                                                                                                                            NUMBER OF SEQ ID NOS: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence: synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
                                  ORGANISM: Artificial Sequence
                                                    TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patentin Ver. 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
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Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 9; Conservative 0;
Score 9; DB
Pred. No. 2.0
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US-09-665-309-15/c
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                                             Sequence 15, Application US/09665309
Patent No. 6232461
GENERAL INFORMATION:
                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 15
LENGTH: 24
                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 15, Application US/09664800
Patent No. 6218527
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Patent No. 6194559
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                             FILE REFERENCE: 1942/42
CURRENT APPLICATION NUMBER: US/09/664,800
CURRENT FILING DATE: 2000-09-19
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                TITLE OF INVENTION:
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CURRENT FILING DATE: 1999-10-12
NUMBER OF SEQ ID NOS: 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: KIM. Soo Young
TITLE OF INVESTION: Abscisic Acid Responsive Element -Binding Transcription Factors
FILE REPERBNCE: 1942/42
   FILE REPERENCE:
                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS
                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER:
PRIOR FILING DATE: 1999-
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                                                                                                                                                                                                                                                                                                    ORGANISM: Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                                           TYPE: DNA
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ORGANISM: Arabidopsis thalians
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                                KIM. Soo Young
                                                                                                                                                                                                                           Conservative
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100.0%; Pred. No.
                Abscisic Acid Responsive Element -Binding Transcription Pactor
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Pred. No.
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Mismatches 0;
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2.8e+03;
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                                                                                                                                                                                                                                                                                   Sequence 33, Application US/09061768A
Patent No. 6204037
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
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Best Local Similarity
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PRIOR FILING DATE: 1999-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS:
                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch,
COMPUTER: IBM PC/XT/AT compatible
                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSES: ARLES A TANIOR, JR.
STREET, SUITE 1400, UNIVERSITY TOWER, 3100 TOWER BOULEVARI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH:
SOFTWARE: WORD PERFECT 6.1 and ASCII
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                     APPLICANT: BOEGLIN, WILLIAM E. APPLICANT: JISAKA, MITSUO
                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                        TITLE OF INVENTION: LIPOXYGENASE PROTEINS AND NUCLEIC ACIDS
                             OPERATING SYSTEM: Windows 3.
                                                                                                            COUNTRY:
                                                                                                                                             CITY: DURHAW
                                                                                               ZIP:
                                                                                                                            STATE:
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ses 9; Conserv
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Pred. No.
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Mismatches

Indels 0

Gaps 0

DB 3; L 2.8e+03;

Length 24;

Copied from 09980559 on 0\$

CURRENT APPLICATION NUMBER: US/09/665,309

APPLICATION NUMBER:

US/09/061,768A

1.4 MB storage

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Sequence 15, Application US/09661569
Patent No. 6245905
CURRENT APPLICATION NUMBER: US/09/661,569
CURRENT FILING DATE: 2000-09-14
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PRIOR APPLICATION NUMBER: 09/
PRIOR FILING DATE: 1999-10-12
                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Arabidopsis thaliana
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                                                                                                                                                                                                                                                                                                                      100.01;
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                                                  Abscisic Acid Responsive Element -Binding Transcription
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Pred. No. 2.8e+1
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COUNTRY:

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Matches
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                                                                                                                                         SEQ ID NO 6304
                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 6304, Application US/09422978 Patent No. 6537751
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -09-422-978-6304/c
                                                                                                                                                             NUMBER OF
                                                                                                                                                                             PARLIER FILING DATE: 1998-04-21
                                                                                                                                                                                                 CARLIER APPLICATION NUMBER: US 60/082,61
                                                                                                                                                                                                                     EARLIER FILING DATE:
                                                                                                                                                                                                                                     EARLIER FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US (
                                                                                                                                                                                                                                                                          CARLIER APPLICATION NUMBER: US 09/298,850
                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                      FILE REPERENCE: GENSET.020CP1
                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Mai
APPLICANT: Chumakov, Ilya
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                        NAME/KEY: primer_bind
LOCATION: 1..20
                                                            FEATURE:
                                                                            ORGANISM: Homo Sapiens
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CURRENT APPLICATION DATA:
THER INFORMATION: upstream amplification primer 99-10661 for SEQ 2370
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
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                                                                                                                    ENGTH
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                      LE OF INVENTION: Biallelic markers for use in constructing a high density...
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FILING DATE: 04-JAN-1994
APPLICATION NUMBER: FR
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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US-09-422-978-6304
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US-09-240-918-9
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Best Local Similarity
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                                                                                                               SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 9
                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                           Sequence 9, Application US/09240918
Patent No. 6265165
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EARLIER FILING DATE: 1999-04-21
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CURRENT APPLICATION NUMBER: US/09/422,978
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APPLICANT: Blumenfeld, P
APPLICANT: Chumakov, Il
                                                                                                                                                                                                           CURRENT FILING DATE:
                                                                                                                                                                                                                                                   ABPLICANT: X3, Zhidong
TITLE OF INVENTION: METHODS FOR EST-SPECIFIC FULL LENGTH cDNA CLONING
FILE REFERENCE: 480.85.1(NV)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PEATURE:
NAME/KEY:
LOCATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
                                                                                                                                                       NUMBER OF SEQ ID NOS: 96
                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/108,183
                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/240,918
                                                                                                                                                                                                                                                                                       APPLICANT: Gruenert, Dieter C.
APPLICANT: Xu, Zhidong
                                           TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: downstream amplification primer 99-7276 for SEQ 1910,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Homo Sapient
                                       FEATURE:
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                                                                                                                                                                       FILING DATE:
                   INFORMATION: Description of Artificial Sequence: primer
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100.0%; Pred. No.
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Pred. No.
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BESILT 3  113-6  18-60unnos 6. Application US/00095172  Seanni No. 282323  APPLICATE SERVICE MAJIN MAJIN TAT VALANTS OF THE TITLE OF IMPRICATE MADING MEN TRANSIONHIANT TAT VALANTS OF THE MADING SEQUENCES:  NOMERS OF SEQUENCES: 19-00 IMPRICATE MADING SEQUENCES: 19-00 IMPRICATE M	Corrist infromation: Data Fragment Understanding State   100.01; assessment   100.01; assessm	BABLIES PAPLACYCO MYNER: 00/447.02  MANDLES FILED DATE: 139-00-06  SOFTMARE: FRANSSO FOR WINDOWS VERSION 3.0  SEC TIME 5.00  TYPE: DAN  TYPE: DAN  REMAINS ARCIICAL SEQUENCE	APPLICATE GLIATREE, Barbara A.  APPLICATE SILEY, Mark A.  APPLICATE SILEY, Mark A.  APPLICATE SILEY, Mark A.  TITLE OF IMPRICATE SILEY APPLICATION OF A PROPRIES OF A PROP	RESULT 1 - 927-2 US-05-048-927-2 US-05-048-927-2 ; Bequence 2, Application US/05048927 ; Parent No. 514705; ; CREMEAL INFORMATION;	ALIGNMENTS	88.9 18 1 105-08-758-206-1379 88.9 18 1 105-08-758-206-1379 88.9 18 1 105-08-758-207-418-7 88.9 18 1 105-08-758-758-7 88.9 18 3 105-08-758-758-758-758-758-758-758-758-758-75	20 8 89.9 17 1 US-09-799-106-1311 Sequence 20 8 89.9 17 3 US-09-799-106-1311 Sequence 20 8 89.9 17 3 US-09-799-106-5 Sequence 20 8 89.9 17 3 US-09-86-990-65 Sequence 20 8 89.9 17 4 US-09-86-990-65 Sequence 20 8 89.9 17 4 US-09-86-990-65 Sequence 20 8 89.9 17 4 US-09-129-129-129-129-129-129-129-129-129-12

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US-10-232-2371.0 SECURIOR SECULO 10 NO; 20:

OBENT MECHANICATION 10 OO 10 SECURIOR 10 A 20-13; Length 16;

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Search Completed; January 1, 2004, 01:10:37

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Query Match
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PRICE RELING DURE: 1999-0-1239.058
PRICE REPLICATION NUMBER: 03/403.888
PRICE PLING DURE: 1995-0-1209.0939/9237
PRICE PLING DATE: 1995-0-1299/92397
PRICE PLING DATE: 1992-0-0544.185
PRICE PLING DATE: 1992-0-0-29
NUMBER: 0F SECO ID NGS: 10
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    SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 2, Application US/10038335
Publication No. US20030096776A1
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                                                              PRIOR APPLICATION NUMBER: 07/954,185
PRIOR FILING DATE: 1992-09-29
                                                                                                                                             PRIOR APPLICATION NUMBER: 08/403,888
PRIOR FILING DATE: 1995-06-12
                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 09/299,058
                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/038,335
CURRENT FILING DATE: 2001-01-02
                                                                                                                                                                                                                                                                     FILE REFERENCE: ISIS-4976
                                                                                                                                                                                                                                                                                      APPLICANT: Anderson, Kevin Telomere Length By Oligonucleotides Having A G-Cor
TITLE OF INVENTION: Modulation Of Telomere Length By Oligonucleotides Having A G-Cor
TITLE OF INVENTION: Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn version 3.1
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APPLICANT: Wyatt, Jacqueline
APPLICANT: Bennett, C. Frank
APPLICANT: Hanecak, Ronnie
                        SOFTWARE:
                                             NUMBER OF SEQ ID NOS: 10
                                                                                                                                                                                      PRIOR FILING DATE: 1999-04-23
                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/10/038,335
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TITLE OF INVENTION: Sequence
TITLE OF INVENTION: Sequence
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OTHER INFORMATION: Antisense sequence
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                                                                                                   R FILING DATE: 1993-09-29
                                                                                                                    R APPLICATION NUMBER: PCT/US93/09297
                        Patentin version 3.1
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Chiang, Ming-yi
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Bennett, C. Frank
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Chiang, Ming-yi
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Pred. No. 4.7e+03;
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Publication No. US20030190638A1
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                                                                                               TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 20:
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                SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/378,535
FILING DATE: 20-Aug-1999
APPLICATION NUMBER: 08/819,867
                                                                                                                                                                              REFERENCE/DOCKET NUMBER: 224/232
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
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MEDIUM TYPE: 3.5"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Michael D.
                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/10/232,927A
FILING DATE: 29-Aug-2002
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                                                                                                                                         TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440
                                                                                                                                                                                                                        REGISTRATION NUMBER: 34,561
                                                                                                                                                                                                                                            NAME: Chambers, Daniel M.
                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: «Unknown»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: FastSEQ for Windows
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OPERATING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: U.S.A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GITAGOGITAG 11
OPOLOGY: linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Jerry Snay
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      domayoun Vaziri
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SYSTEM: IBM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3.5" Diskette,
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Pred. No. 4.7e+03;
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; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-9
               SEQ ID NO 4
LENGTH: 13
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Publication No. US20030032611A1
GENERAL INFORMATION:
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Publication No. US20030012755A1
                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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                                                                                                                                            APPLICANT: Styczynski, Peter
APPLICANT: Ahluwalia, Gurpreet S.
TITLE OF INVENTION: REDUCTION OF HAIR GROWTH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PastSEQ for Windows Version 4.0
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NUMBER OF SEQ ID NOS: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR FILING DATE: 2000-03-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/122,633
CURRENT FILING DATE: 2002-04-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Method to Inhibit Cell Growth Using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Gilchrest, Barbara A.
APPLICANT: Eller, Mark S.
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PRIOR FILING DATE: 2001-03-30
                                                     SOFTWARE: FastSEQ for
                                                                                       CURRENT FILING DATE:
                                                                                                                             FILE REFERENCE: 00216-552001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE: 0054.1088-019
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                                                                        NUMBER OF SEC ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence
TYPE: RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 11
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Local Similarity 100
hes 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                    local Similarity 100
les 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
                                                                                                          APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GTTAGGGTTAG 11
                                                                                                                                                                                                                                                                                                                                                                  GTTAGGGTTAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eller, Mar)
Yaar, Mina
                                                     Windows Version 4.0
                                                                                       2001-10-12
                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCT/US01/10162
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                                                                                                      US/09/893,252
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                                                                                                                                                                                                                                                                                                                                                                                                                   .7e+03;
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RESULT 13
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Publication No. US20030186298A1
GENERAL INFORMATION:
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                                                                                                                                            Guery Match
Best Local Similarity
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                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/368,451
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: JP 2002-090129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/10/347,253
CURRENT FILING DATE: 2003-01-21
                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE: 2002-03-28
NUMBER OF SEQ ID NOS: 4
                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE: PH-1700
                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Hitachi Software Engineering Co., Ltd.
TITLE OF INVENTION: POLYMER CHIP AND METHOD FOR IDENTIFYING AN IONIC POLYMER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn Ver. 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: 138051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: Accelerator
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Hitachi Software Engineering Co., Ltd.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Description of Artificial Sequence: Synthetic
                                                                                                                                                                                                                     OTHER INFORMATION:
                                                                                                                                                                                                                                        FEATURE:
                                                                                                                                                                                                                                                   ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                             LENGTH: 13
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                                                                                                                             11.
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3 GUUAGOGUUAG 13
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                                                                                       GTTAGGGTTAG 11
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                                                                                                                             Conservative
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                                                                                                                                                                                                                 Artificial sequence synthesized
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                                                                                                                             0
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Pred. No. 4.7e+03;
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Pred. No.
                                                                                                                                                Score 11; DB 13;
Pred. No. 4.7e+03;
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                                                                                                                             Mismatches
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US-10-122-630-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 5, Application US/10122630
Publication No. US20030032610A1
                                           PRIOR APPLICATION NUMBER: US 09/048,927
PRIOR PELING NUMBER: US 09/540,843
PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR APPLICATION NUMBER: PCT/US01/10162
PRIOR APPLICATION NUMBER: PCT/US01/10162
PRIOR PILING DATE: 2001-03-30
NUMBER: OF SEG LID MGS: 15-3-30
NUMBER: OF SEG LID MGS: 15
                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/10/122,630
CURRENT FILING DATE: 2002-04-12
PRIOR APPLICATION NUMBER: US 08/467,012
PRIOR FILING DATE: 1995-06-06
                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Gilchrest, Barbara A.
APPLICANT: Eller, Mark S.
APPLICANT: Yaar, Mina
                        SOFTWARE: FastSEQ for Windows Version 4.(
                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: PCT/US96/08386
PRIOR FILING DATE: 1996-06-03
                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Oligonucleotides
FILE REFERENCE: 0054,1088-018
                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Method to Inhibit Cell Growth Using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 2:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 07-Feb-2003
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
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COMPUTER READABLE FORM
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STRANDEDNESS: single
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FILING DATE: 08-APR-1994
APPLICATION NUMBER: US 08/272, 102
FILING DATE: 07-UUL-1994
APPLICATION NUMBER: US 08/330, 123
FILING DATE: 27-OCT-1994
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 015389-000821US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
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FILING DATE: 07-Feb-2003
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COUNTRY: USA
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Pred. No.
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US-10-122-630-9
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                                                                                                                                                                                                                                                        Sequence 5, Application US/10122633
Publication No. US20030032611A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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Best Local Similarity
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Publication No. US20030032610A1
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                   FILE REFERENCE: 0054.1088-019
CURRENT APPLICATION NUMBER: US/10/122,633
CURRENT FILING DATE: 2002-04-12
PRIOR APPLICATION NUMBER: US 09/540,843
                                                                                                                TITLE OF INVENTION: Method to Inhibit Cell Growth Using TITLE OF INVENTION: Oligonucleotides
                                                                                                                                                           APPLICANT: Gilchrest, Barbara A
APPLICANT: Eller, Mark S.
APPLICANT: Yaar, Mina
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: US 08/467,012
PRIOR FILING DATE: 199-06-06
PRIOR APPLICATION NUMBER: PCT/US96/08386
PRIOR FILING DATE: 1996-06-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/122,630
CURRENT FILING DATE: 2002-04-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Gilchrest, Barbara A.
APPLICANT: Eller, Mark S.
APPLICANT: Yaar, Mina
PRIOR FILING DATE: 2000-03-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
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PRIOR FILING DATE: 2001-0
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PRIOR FILING DATE: 2000-03-31
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PRIOR FILING DATE: 1998-03-26
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ORGANISM: Artificial Sequence
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4.76+03 DB 15; Length 11

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US-09-835-370-63; Sequence 63, Application US/09835370; Publication No. US20030022172A1
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                                                                                                                                                                                                              Sequence 4, Application US/10255535
Publication No. US20030138814A1
                                                                                                                                                                                                  GENERAL INFORMATION:
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APPLICANT: BELTEMEN, CORNAD
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PILE REPERBNCE: 072/002P
CURRENT APPLICATION WUMBER: US/10/255,535
CURRENT FILING DATE: 2002-09-25
PRIOR APPLICATION NUMBER: PCT/US02/09138
PRIOR FILING DATE: 2002-03-21
                                                                                  APPLICANT: Geron Corporation
APPLICANT: Gryznov, Seigei
APPLICANT: Goygracv, Krisstlin
APPLICANT: Tollan, Richard L.
APPLICANT: Morin, Gregg B.
APPLICANT: Morin, Gregg B.
APPLICANT: Morin, Gregg B.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INPORMATION: Description of Artificial Sequence: nucleotide OTHER INPORMATION: base sequence of PNA derivatives that bind to OTHER INPORMATION: viral and cellular targets
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100.0%; Pred. No. 4.7e+03;
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US-10-255-535-4
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Publication No. US20030153076A1
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LENGTH: 11
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SEQ ID NO 4
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Best Local Similarity
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Publication No
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PRIOR APPLICATION NUMBER: US 60/278,322
PRIOR FILING DATE: 2001-03-23
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CURRENT FILING DATE: 2002-09-25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Tolman, Richard L.
APPLICANT: Morin, Gregg B.
TITLE OF INVENTION: Oligonucleotide Conjugates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 60/278,322
PRIOR FILING DATE: 2001-03-23
NUMBER OF SEQ ID NOS: 19
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APPLICANT: Vill
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                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
                                                                       Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
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CITY: San Francisco
                  STREET: Two Embarcadero Center, Eighth Floor
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Punk, Walter
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